FEDERAL ITEM IDENTIFICATION GUIDE

TRANSMISSION CHAIN

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Commander

Defense Logistics Information Service

ATTN: DLIS-K

74 Washington Avenue North, Suite 7

Battle Creek, Michigan 49037-3084

(COMM) (269) 961-5779

(DSN) 661-5779

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION 1
MRC Index 6
INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG 15
APPLICABILITY KEY INDEX 17
Body 30
SECTION: A 30
SECTION: B 71
SECTION: C 113
SECTION: D 156
SECTION: E 161
SECTION: F 173
SECTION: G 176
SECTION: STANDARD 181
SECTION: SUPPTECH 187
Reply Tables 191
Reference Drawing Groups 211
Technical Data Tables 226
FIIG Change List 229

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGW OVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

SECTION: A 30
NAME 30
STYL 30
ARJD 30
BXSH 31
BXSJ 31
BXSK 31
BXSL 32
ANNQ 32
SURF 33
BXSM 33
AXHQ 33
ABGA 34
ABGF 34
AGWA 35
AGGS 35
BXSN 35
BYDP 35
AHSF 36
BYDR 36
ABKV 36
AGFF 37
BYDS 38
AWJQ 38
BYDT 38
BYDW 39
BDDY 39
ASBP 40
ABSA 40
AXFG 40
BDTX 41
AAUJ 41
ABSC 42
AXFH 42
ABXV 43
ADGE 43
BYDX 44
ANAL 44
ANAM 45
AWPJ 45
AXND 46

BDYS 46
AAWY 46
AAWZ 47
BSGG 48
BSGK 48
NMBR 49
ABSF 49
AEVD 49
AEVG 50
BYDY 50
ABRR 50
AEVF 51
AEVJ 51
BYDZ 52
BYZL 52
BYZM 53
BYZN 54
BYZP 54
BYZQ 55
BYZR 56
BYZS 56
BYZT 57
BYZW 58
BYZX 59
BYZY 59
BYZZ 60
BZBB 61
BZBC 62
CLYR 62
CLYS 63
BSYG 64
BYFC 64
BYFD 65
BSNP 65
BYFF 65
AHYF 65
ABUJ 66
THSD 66
CQJX 66
CTTC 67
CQQR 67
AAJE 67
AAJF 68
BFYT 68

ABKG 68
AGGP 69
BYFG 69
AKYN 70
SECTION: B 71
NAME 71
ALPN 71
ATPC 71
AQPL 71
BCCJ 72
BXSM 73
AXHQ 73
ABGA 73
ABGF 74
AGWA 74
AGGS 75
BXSN 75
BZRD 75
AHMG 76
AHMH 76
STYL 77
ARJD 77
BXSH 78
BXSJ 78
BXSK 78
ABHP 79
ANNQ 79
SURF 80
BYFS 80
BYDT 80
BYDW 81
BDDY 82
ASBP 82
ABSA 82
AXFG 82
BDTX 83
AAUJ 83
ABSC 84
AXFH 84
AXND 85
BDYS 85
AAWY 86
AAWZ 86
ABXV 87

ADGE 87
BYDX 88
ANAL 88
ANAM 89
AWPJ 89
BSGG 90
BSGK 90
NMBR 91
ABSF 91
AEVD 91
BSGJ 92
BYDY 92
ABRR 93
AEVF 93
BYDZ 94
BYZL 94
BYZM 95
BYZN 96
BYZP 96
BYZQ 97
BYZR 98
BYZS 99
BYZT 99
BYZW 100
BYZX 101
BYZY 101
BYZZ 102
BZBB 103
BZBC 104
CLYR 104
CLYS 105
BYFB 106
BSYG 106
BYFC 107
BYFD 107
BSNP 107
BYFF 108
AHYF 108
ABUJ 108
THSD 109
CQJX 109
CTTC 109
CQQR 110
AAJE 110

AAJF 110
BFYT 111
ABKG 111
AGGP 111
BYFG 112
AKYN 112
SECTION: C 113
NAME 113
STYL 113
ARJD 113
BXSJ 113
BYFH 114
BYFJ 114
AQWM 115
BMHW 115
AXHQ 115
BDRB 115
ABKV 116
BYFL 116
BYFM 116
BYFN 117
BYGF 117
AAPL 118
BYFP 118
MATL 118
BYFQ 119
BYFR 119
ASXJ 120
SURF 121
BYFS 121
BDFC 121
ASBP 122
AGHW 122
BYFT 123
AXND 123
BDYS 124
AAWY 124
AAWZ 125
ABSA 125
AAUJ 126
ABSC 126
AXFH 127
AXFG 127
BDTX 127

AFMV 128
ABXV 128
ADGE 129
BYDX 130
ANAL 130
ANAM 130
AWPJ 131
BSGG 131
BSGK 132
NMBR 132
ABSF 133
AEVD 133
BSGJ 134
BYDY 134
ABRR 134
AEVF 135
BYDZ 135
BYZL 136
BYZM 136
BYZN 137
BYZP 138
BYZQ 139
BYZR 139
BYZS 140
BYZT 141
BYZW 142
BYZX 142
BYZY 143
BYZZ 144
BZBB 144
BZBC 145
CLYR 146
CLYS 147
BYFB 148
BYFW 148
BYFX 148
ABLL 149
ABRV 149
BYFY 150
BSNP 150
BYFF 151
AHYF 151
ABUJ 151
THSD 152

CQJX 152
CTTC 152
CQQR 153
AAJE 153
AAJF 153
BFYT 154
ABKG 154
AGGP 154
BYFG 155
AKYN 155
SECTION: D 156
NAME 156
MATL 156
SURF 156
BZQQ 156
AASH 157
BYGD 157
BYGL 158
BZRC 158
BYFZ 158
BKDY 159
ABMK 159
AYLN 159
BYGG 160
SECTION: E 161
NAME 161
MATL 161
SURF 161
ALBY 161
BYGB 162
APGF 162
ABKH 162
ABVV 163
AGXD 163
AWSP 164
BZBD 165
BZBF 165
BZBJ 166
BZBK 166
BZBL 167
BZBM 167
BZGN 168
BZQQ 169
AASH 169

BZRC 170
BYGL 170
SHPE 170
BYGD 170
ABNM 171
BYYQ 171
SECTION: F 173
NAME 173
MATL 173
BYYR 173
ABMZ 173
ABRY 174
BMKY 174
SECTION: G 176
NAME 176
MATL 176
AKGL 176
BWGL 176
BYYT 177
BYYW 178
NMBR 178
BYYX 178
AKFX 179
AHHS 179
ABGL 179
BYYS 180
SECTION: STANDARD 181
FEAT 181
TEST 181
SPCL 182
ZZZK 182
ZZZT 183
ZZZW 183
ZZZX 184
ZZZY 184
CRTL 184
PRPY 185
ELRN 185
ELCD 185
SECTION: SUPPTECH 187
AFJK 187
PRMT 187
PMWT 187
PMLC 188

SUPP 189
ZZZV 189
AGAV 189

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BELT FASTENER, PLATE	16191	GC

An item consisting of two plates with bolt holes, and sufficient bolts and nuts to form, when assembled, a single belt fastening unit. Used in series with other such units to fasten together ends of power transmission or conveyor belts and to repair belt rips.

CHAIN, BLOCK	04427	DA

A power transmission chain, consisting of laminated or solid blocks and alternate side plates held together by pins and designed in such a manner as to conform to the teeth of a sprocket wheel over which it runs.

CLIP, SPRING, CHAIN	04483	EE

A platelike retaining spring which snaps over pin ends to lock the link plates of drive chain in place.

IDLER SPROKET, MOUNT BOOM	39447	CA
LACING, BELT, LEATHER	15152	GB

A strip cut from tanned or untanned animal hide, the width being greater than the thickness, and used to join the ends of a conveyor or driving belt. Excludes LACING, BELT, PIN and LACES, FOOTWEAR.

LACING, BELT, PIN	13568	GA

An item consisting of two lengths of toothed metal, or two series of wire hooks, to be attached to the ends of industrial belting in order to form an endless belt when joined by a hinge pin. May be furnished with hinge pin.

LINK SET, CONNECTING AND OFFSET, ROLLER CHAIN	04487	EA

Two separate connecting devices consisting of a LINK, DETACHABLE LINK CHAIN and LINK, ROLLER CHAIN not assembled as a combination link.

PIN, BELT LACING	03999	FA

A round, twisted or corrugated item, used as a connector for the ends of a belt by passing through center of meshed, curved ends of steel hooks imbedded in belt ends to produce an endless belt for power transmission.

PLATE, CHAIN LINK	04489	ED

A side bar of various shapes forming one of the tension members of a pin link, roller chain link, or silent chain link.

Approved Item Name	INC	App Key

Pulley

1. A wheel with a flat, curved or grooved face or rim used to transmit and/or change direction of force applied by friction drive, chain, rope, belt, or other flexible band. Excludes pulleys or sheaves encased or attached to mounting devices of any nature.

PULLEY (1), CONE	08110	BA

A pulley having two or more adjoining grooved, flat or crowned faces in steps of different diameters or one having a single tapered face. For pulleys encased in a shell or frame, see BLOCK, TACKLE.

PULLEY (1), FLAT	08111	AB

A pulley with a straight or crowned face. The item may include belt aligning flange(s). Excludes PULLEY, CONE. For pulleys encased in a shell or frame, see BLOCK, TACKLE

PULLEY (1), GROOVE	08109	AA

A pulley with one or more grooved faces or rims of the same diameter. For pulleys encased in a shell or frame, see BLOCK, TACKLE. For item specifically designed for aviation, see PULLEY (1), GROOVE, AVIATION

PULLEY (1), GROOVE, AVIATION	66957	AA

An aircraft control cable system item consisting of a pulley with one or more grooved faces or rims of the same diameter.

SPROCKET WHEEL	04456	CA

A toothed wheel whose teeth or sprockets are designed to be engaged with the links of a pitch chain, track, or the like. It is usually used for transmitting power.

TORQUE LIMITER ASSEMBLY, MECHANICAL	40091	CB

A friction type overload device designed to slip when driven machinery is jammed. Not designed for continuous slipping. Consists of items such as fixed hub, bearings, friction discs, pressure plates, and the like. May include a micro switch.

APPLICABILITY KEY INDEX

	AA	AB
NAME	X	X
STYL	X	X
AAVL	AR	AR
ABHE	AR	AR
ABHP	AR	AR
ABKU	AR	AR
AGJS	AR	AR
AHTC	AR	AR
AQPL	AR	AR
BYZG	AR	AR
BYZD	AR	AR
BYZF	AR	AR
ARJD	X	X
BXSH	AR	AR
BXSJ	X	X
BXSK	X	X
BXSL		X
ANNQ	X	X
SURF	AR	AR
BXSM	X	
AXHQ	AR	
ABGA	AR	
ABGF	AR	
AGWA	AR	
AGGS	AR	
BXSN	AR	
BYDP		X
AHSF		AR
BYDR		AR
ABKV		AR
AGFF		AR
BYDS	X	X
AWJQ	AR	AR
BYDT	AR	AR
BYDW	AR	AR
BDDY	AR	AR
ASBP	AR	AR
ABSA	AR	AR
AXFG	AR	AR
BDTX	AR	AR
AAUJ	AR	AR
ABSC	AR	AR
AXFH	AR	AR
ABXV	AR	AR
ADGE	AR	AR
BYDX	AR	AR
ANAL	AR	AR
ANAM	AR	AR

AWPJ	AR	AR
AXND	AR	AR
BDYS	AR	AR
AAWY	AR	AR
AAWZ	AR	AR
BSGG	AR	AR
BSGK	AR	AR
NMBR	AR	AR
ABSF	AR	AR
AEVD	AR	AR
AEVG	AR	AR
BYDY	AR	AR
ABRR	AR	AR
AEVF	AR	AR
AEVJ	AR	AR
BYDZ	AR	AR
BYZL	AR	AR
BYZM	AR	AR
BYZN	AR	AR
BYZP	AR	AR
BYZQ	AR	AR
BYZR	AR	AR
BYZS	AR	AR
BYZT	AR	AR
BYZW	AR	AR
BYZX	AR	AR
BYZY	AR	AR
BYZZ	AR	AR
BZBB	AR	AR
BZBC	AR	AR
CLYR	AR	AR
CLYS	AR	AR
BSYG	X	X
BYFC	AR	AR
BYFD	AR	AR
BSNP	AR	AR
BYFF	AR	AR
AHYF	AR	AR
ABUJ	AR	AR
THSD	AR	AR
CQJX	AR	AR
CTTC	AR	AR
CQQR	AR	AR
AAJE	AR	AR
AAJF	AR	AR
BFYT	AR	AR
ABKG	AR	AR
AGGP	AR	AR
BYFG	AR	AR
AKYN	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR

ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AWJN	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
ZZZV	AR	AR
AGAV	AR	AR

	BA
NAME	X
ALPN	X
ATPC	AR
AQPL	AR
BCCJ	AR
BXSM	AR
AXHQ	AR
ABGA	AR
ABGF	AR
AGWA	AR
AGGS	AR
BXSN	AR
BZRD	AR
AHMG	AR
AHMH	AR
STYL	X
ARJD	X
BXSH	AR
BXSJ	X
BXSK	X
ABHP	X
ANNQ	X
SURF	AR
BYFS	X
BYDT	AR
BYDW	AR
BDDY	AR
ASBP	X
ABSA	AR
AXFG	AR
BDTX	AR
AAUJ	AR
ABSC	AR
AXFH	AR
AXND	AR
BDYS	AR
AAWY	AR
AAWZ	AR
ABXV	AR
ADGE	AR
BYDX	AR
ANAL	AR
ANAM	AR
AWPJ	AR
BSGG	AR
BSGK	AR
NMBR	AR
ABSF	AR
AEVD	AR
BSGJ	AR
BYDY	AR
ABRR	AR
AEVF	AR

BYDZ	AR
BYZL	AR
BYZM	AR
BYZN	AR
BYZP	AR
BYZQ	AR
BYZR	AR
BYZS	AR
BYZT	AR
BYZW	AR
BYZX	AR
BYZY	AR
BYZZ	AR
BZBB	AR
BZBC	AR
CLYR	AR
CLYS	AR
BYFB	AR
BSYG	AR
BYFC	AR
BYFD	AR
BSNP	AR
BYFF	AR
AHYF	AR
ABUJ	AR
THSD	AR
CQJX	AR
CTTC	AR
CQQR	AR
AAJE	AR
AAJF	AR
BFYT	AR
ABKG	AR
AGGP	AR
BYFG	AR
AKYN	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
ZZZV	AR
AGAV	AR

	CA	CB
NAME	X	X
STYL	X	
AAVL	AR	
ABHE	AR	
ABHP	AR	
ABKU	AR	
AGJS	AR	
AHTC	AR	
AQPL	AR	
BYZG	AR	
BYZD	AR	
BYZF	AR	
ARJD	X	X
BXSJ	X	
BYFH	X	X
BYFJ	AR	AR
AQWM	AR	AR
BMHW	AR	AR
AXHQ	AR	AR
BDRB	AR	AR
ABKV	AR	AR
BYFL	X	
BYFM	AR	
BYFN	X	
BYGF	X	
AAPL		X
BYFP	AR	
MATL	X	X
BYFQ	X	
BYFR	AR	
ASXJ	AR	
SURF	AR	
BYFS	X	X
BDFC	AR	AR
ASBP	X	X
AGHW	AR	AR
BYFT	AR	AR
AXND	AR	AR
BDYS	AR	AR
AAWY	AR	AR
AAWZ	AR	AR
ABSA	AR	AR
AAUJ	AR	AR
ABSC	AR	AR
AXFH	AR	AR
AXFG	AR	AR
BDTX	AR	AR
AFMV	AR	AR
ABXV	AR	AR
ADGE	AR	AR
BYDX	AR	AR
ANAL	AR	AR
ANAM	AR	AR

AWPJ	AR	AR
BSGG	AR	AR
BSGK	AR	AR
NMBR	AR	AR
ABSF	AR	AR
AEVD	AR	AR
BSGJ	AR	AR
BYDY	AR	AR
ABRR	AR	AR
AEVF	AR	AR
BYDZ	AR	X
BYZL	AR	AR
BYZM	AR	AR
BYZN	AR	AR
BYZP	AR	AR
BYZQ	AR	AR
BYZR	AR	AR
BYZS	AR	AR
BYZT	AR	AR
BYZW	AR	AR
BYZX	AR	AR
BYZY	AR	AR
BYZZ	AR	AR
BZBB	AR	AR
BZBC	AR	AR
CLYR	AR	AR
CLYS	AR	AR
BYFB	AR	AR
BYFW	AR	AR
BYFX	AR	AR
ABLL	AR	AR
ABRV	AR	AR
BYFY	AR	AR
BSNP	AR	AR
BYFF	AR	AR
AHYF	AR	AR
ABUJ	AR	AR
THSD	AR	AR
CQJX	AR	AR
CTTC	AR	AR
CQQR	AR	AR
AAJE	AR	AR
AAJF	AR	AR
BFYT	AR	AR
ABKG	AR	AR
AGGP	AR	AR
BYFG	AR	AR
AKYN	AR	AR
AGUC	AR	AR
AGXZ	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR

ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AWJN	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
ZZZV	AR	AR
AGAV	AR	AR

	DA
NAME	X
MATL	X
SURF	AR
BZQQ	AR
AASH	AR
BYGD	X
BYGL	X
BZRC	X
BYFZ	X
BKDY	X
ABMK	X
AYLN	X
BYGG	X
AGUC	AR
AGXZ	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
ZZZV	AR
AGAV	AR

	EA	ED	EE
NAME	X	X	X
MATL	X	X	X
SURF	AR	AR	AR
ALBY	X		
BYGB	AR	AR	AR
APGF	X		
BZQQ	AR		
AASH	AR		
BZRC	X		
BYGL	X		
SHPE		X	
BYGD		X	X
ABNM		X	
BYYQ			X
AGUC	AR	AR	AR
AGXZ	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
ZZZV	AR	AR	AR
AGAV	AR	AR	AR

	FA
NAME	X
MATL	X
BYYR	X
ABMZ	X
ABRY	X
BMKY	X
AGUC	AR
AGXZ	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
ZZZV	AR
AGAV	AR

	GA	GB	GC
NAME	X	X	X
MATL	X		X
AKGL	X		
BWGL	AR		
BYYT	AR		
BYYW	AR		
NMBR	AR		
BYYX	AR		
AKFX		AR	
AHHS			X
ABGL		X	
BYYS			X
AGUC	AR	AR	AR
AGXZ	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
ZZZV	AR	AR	AR
AGAV	AR	AR	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08109*)

ALL			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable group designator and style number from Appendix B , Reference Drawing Group A. (e.g., STYLLA12*)

Grooved, stepped hubs, or bore will not be considered in determining styles.

ALL			
	ARJD	D	DESIGN FORM

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARJDDAAM*; ARJDDAAM$DADF*)

REPLY CODE	REPLY (AL52)
AAM	PLAIN
ADF	SPOKED
ADG	WEBBED

NOTE FOR MRC BXSH: REPLY TO THIS MRC, IF REPLY CODE ADF OR ADG IS ENTERED FOR MRC ARJD.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

BXSH D WEB/SPOKE RELATIONSHIP TO FACE CENTERLINE

Definition: AN INDICATION OF THE RELATIONSHIP BETWEEN THE WEBBING OR SPOKES AND THE CENTERLINE OF THE FACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSHDTK*)

REPLY CODE	REPLY (AE98)
A	ANY ACCEPTABLE
SW	NOT OFFSET
TK	OFFSET

ALL

BXSJ D LIGHTENING HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LIGHTENING HOLE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BXSK D INTEGRAL COOLING VANE

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL COOLING VANE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSKDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

AB

BXSL D CROWN FACE

Definition: AN INDICATION OF WHETHER OR NOT A CROWN FACE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ANNQ H MATERIAL AND LOCATION

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the applicable Reply Code from the table below. (e.g., ANNQHST0000ABQ*)

For items with multiple locations optional materials use AND/OR coding as applicable. (e.g., ANNQHST0000ABQ$$HSTB000AAF*; ANNQHST0000ABQ$HSTB000APG*)

REPLY CODE	REPLY (AJ91)
ABQ	BODY
AJP	FLANGE

APP Key	MRC	Mode Code	Requirements
		AAF	HUB
		AAB	OVERALL
		APG	RIM

ALL*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 2. (e.g., SURFDCDR000*; SURFDCDR000$$DNFG000*; SURFDCDR000$DNFG000*)

AA

BXSM D GROOVE SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE GROOVE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSMDZK*; BXSMDPD$DZK*)

REPLY CODE	REPLY (AD07)
PD	U
ZK	V

NOTE FOR MRCS AXHQ, ABGA, ABGF, AGWA, AGGS, AND BXSN: REPLY TO MRCS AXHQ, ABGA, ABGF, AND AGWA, IF REPLY CODE PD IS ENTERED FOR MRC BXSM. REPLY TO MRCS AXHQ, ABGA, ABGF, AND AGGS, IF REPLY CODE ZK IS ENTERED FOR MRC BXSM. REPLY TO MRC BXSN, IF DESIGNED FOR STANDARD V-BELT.

AA* (See Note Above)

AXHQ A GROOVE QUANTITY

Definition: THE NUMBER OF GROOVES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXHQA2*; AXHQA2$A4*)

APP
Key MRC Mode Code Requirements

AA* (See Note Preceding MRC AXHQ)

ABGA J GROOVE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF A GROOVE, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGAJAA0.472*; ABGAJLA11.9*; ABGAJAB0.469$$JAC0.484*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA* (See Note Preceding MRC AXHQ)

ABGF J GROOVE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A GROOVE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGFJAA0.512*; ABGFJLA13.0*; ABGFJAB0.500$$JAC0.516*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

AA* (See Note Preceding MRC AXHQ)

AGWA J GROOVE RADIUS

Definition: A MEASUREMENT OF A LINE SEGMENT EXTENDING FROM THE CENTER OF A GROOVE TO THE INSIDE SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGWAJAA0.087*; AGWAJLA2.2*; AGWAJAB0.078$$JAC0.094*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA* (See Note Preceding MRC AXHQ)

AGGS B V GROOVE ANGLE IN DEG

Definition: THE ANGLE OF THE V GROOVE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AGGSB20.0*)

AA* (See Note Preceding MRC AXHQ)

BXSN A STANDARD V-BELT SECTION DESIGNATION FOR WHICH DESIGNED

Definition: THE ALPHA AND/OR NUMERIC SECTION DESIGNATION OF THE STANDARD V-BELT FOR WHICH DESIGNED.

Reply Instructions: Enter the section designation. (e.g., BXSNA5L*; BXSNA5A$$A5B*)

AB

BYDP D RIM TYPE

APP
Key MRC Mode Code Requirements

Definition: INDICATES THE TYPE OF RIM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDPDAEL*; BYDPDDDQ$DDDR*)

REPLY CODE	REPLY (AK54)
DDQ	DOUBLE SPLIT
DDR	SINGLE SPLIT
AEL	SOLID

AB*

AHSF A FLANGE QUANTITY

Definition: THE NUMBER OF FLANGES PROVIDED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AHSFA2*; AHSFA2$A4*)

NOTE FOR MRCS BYDR, ABKV, AND AGFF: REPLY TO THESE MRCS, IF A REPLY IS ENTERED FOR MRC AHSF.

AB* (See Note Above)

BYDR D FLANGE LOCATION

Definition: INDICATES THE LOCATION OF THE FLANGE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDRDAHP*)

For items with multiple locations, use AND coding ($$) entering replies in reply table sequence. (e.g., BYDRDAHP$$DABH*)

REPLY CODE	REPLY (AJ91)
AHP	CENTER
ABH	INSIDE
ARZ	OUTSIDE

AB* (See Note Preceding MRC BYDR)

ABKV J OUTSIDE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA12.500*; ABKVJLA317.5*; ABKVJAB12.000$$JAC13.000*)

For multiple replies, use AND coding ($$) entering in the same sequence established for MRC BYDR. (e.g., ABKVJAA12.500$$JAA14.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB* (See Note Preceding MRC BYDR)

AGFF J FLANGE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A FLANGE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGFFJAA0.125*; AGFFJLA3.1*; AGFFJAB0.125$$JAC0.250*)

For multiple replies, use AND coding ($$) entering in the same sequence established for MRC BYDR. (e.g., AGFFJAA0.125$$JAA0.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL

BYDS D BORE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A BORE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDSDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AWJQ, ASBP, AND AXND: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC BYDS.

ALL* (See Note Above)

AWJQ D BEARINGS

Definition: AN INDICATION OF WHETHER OR NOT BEARINGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWJQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BYDT AND BDDY: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC AWJQ.

ALL* (See Note Above)

BYDT D BEARING TYPE

Definition: INDICATES THE TYPE OF BEARING PROVIDED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDTDAE*; BYDTDAE$$DAF*; BYDTDAE$DAF*)

REPLY CODE	REPLY (AH96)
AD	ANNULAR ROLLER
A	ANY ACCEPTABLE
AE	BALL
AF	BEARING ROLLER
AG	FLANGED
AH	NEEDLE ROLLER
AJ	ROLLER
AK	SLEEVE

NOTE FOR MRC BYDW: REPLY TO THIS MRC, IF REPLY CODE AF IS FOR MRC BYDT.

ALL* (See Note Above)

BYDW J SHAFT SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE SIZE OF THE SHAFT FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYDWJAA0.500*; BYDWJLA12.7*; BYDWJAB0.500$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYDT)

BDDY A BEARING QUANTITY

Definition: THE NUMBER OF BEARINGS PROVIDED ON THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. (e.g., BDDYA2*; BDDYA2$A4*)

ALL* (See Note Preceding MRC AWJQ)

ASBP D BORE TYPE

Definition: INDICATES THE TYPE OF BORE USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBPDAB*; ASBPDAB$DAC*)

REPLY CODE	REPLY (AL72)
AK	INVOLUTE SPLINE
AB	STRAIGHT
AM	STRAIGHT SPLINE
AC	TAPERED

NOTE FOR MRCS ABSA, AXFG, BDTX, AAUJ, ABSC, AXFH, ABXV, ADGE, BYDX, ANAL, ANAM, AWPJ AND BSGG: IF REPLY CODE AK IS ENTERED FOR MRC ASBP, REPLY TO MRCS ABSA, AXFG, BDTX, AAUJ, ABSC, AND AXFH. IF REPLY CODE AB IS ENTERED FOR MRC ASBP, REPLY TO MRCS ABXV, ADGE, AND BSGG. IF REPLY CODE AM IS ENTERED FOR MRC ASBP, REPLY TO MRCS ABSA, AAUJ, ABSC, AND AXFH, AND BYDX IF ENDS OF HUB ARE DIFFERENT. IF REPLY CODE AC IS ENTERED FOR MRC ASBP, REPLY TO MRCS ADGE, ANAL, ANAM, AND BSGG, AND MRC AWPJ IF ENDS OF HUB ARE DIFFERENT.

ALL* (See Note Above)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINES ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA10*; ABSAA9$A10*)

ALL* (See Note Preceding MRC ABSA)

AXFG B SPLINE PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE OF THE SPLINE EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AXFGB20.0*)

ALL* (See Note Preceding MRC ABSA)

APP Key	MRC	Mode Code	Requirements
	BDTX	J	SPLINE PITCH DIAMETER

Definition: A MEASUREMENT OF THE SPLINE PITCH DIAMETER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BDTXJAA0.8375*; BDTXJLA21.2*; BDTXJAB0.7500$$JAC1.0000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

	AAUJ	J	SPLINE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUJJAA0.809*; AAUJJLA20.5*; AAUJJAB0.809$$JAC0.900*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

APP Key	MRC	Mode Code	Requirements
	ABSC	J	SPLINE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSCJAA0.750*; ABSCJLA19.0*; ABSCJAB0.750$$JAC0.950*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

	AXFH	J	SPLINE LENGTH

Definition: THE LENGTH OF THE LONGEST DIMENSION OF A SPLINE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFHJAA1.125*; AXFHJLA28.5*; AXFHJAB1.000$$JAC1.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABSA)

ABXV J BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXVJAA0.625*; ABXVJLA15.2*; ABXVJAB0.500$$JAC0.656*)

If a bearing is included in the bore, give the inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*(See Note Preceding MRC ABSA)

ADGE J BORE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGEJAA4.125*; ADGEJLA104.7*; ADGEJAB4.000$$JAC4.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABSA)

BYDX D TAPERED SPLINE LARGEST MINOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPERED SPLINE LARGEST MINOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDXDBBZ*; BYDXDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC ABSA)

ANAL J TAPER BORE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANALJAA0.750*; ANALJLA19.0*; ANALJAB0.734$$JAC0.766*)

If a bearing is included in the bore, give the major inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABSA)

ANAM J TAPER BORE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANAMJAA0.612*; ANAMJLA2.5*; ANAMJAB0.609$$JAC0.625*)

If a bearing is included in the bore, give the minor inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AWPJ D TAPER MAJOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPER MAJOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWPJDBBZ*; AWPJDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC ABSA)

APP Key	MRC	Mode Code	Requirements
	AXND	D	COUNTERBORE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A COUNTERBORE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXNDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BDYS, AAWY, AND AAWZ: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC AXND.

ALL* (See Note Above)

	BDYS	D	COUNTERBORE LOCATION

Definition: INDICATES THE LOCATION OF THE COUNTERBORE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDYSDBBZ*; BDYSDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BDYS)

	AAWY	J	COUNTERBORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A COUNTERBORED PORTION OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWYJAA1.250*; AAWYJLA31.8*; AAWYJAB0.125$$JAC0.150*)

For multiple replies use AND coding ($$) entering AA END first. (e.g., AAWYJAA0.125$$JAA0.500*)

See Appendix C, Table 1, for determination of AA END.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BDYS)

AAWZ J COUNTERBORE DEPTH

Definition: THE DEPTH OF THE PROCESS USED TO ENLARGE PART OF A HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWZJAA0.500*; AAWZJLA12.7*; AAWZJAB0.250$$JAC0.500*)

For multiple replies use AND coding ($$), entering AA END first. (e.g., AAWZJAA0.250$$JAA0.750*)

See Appendix C, Table 1, for determination of AA END.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

BSGG D KEYING FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A KEYING FACILITY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC BSGK: REPLY TO THIS MRC, IF REPLY CODE B IS ENTERED FOR MRC BSGG.

ALL* (See Note Above)

BSGK D KEYING FACILITY TYPE

Definition: INDICATES THE TYPE OF KEYING FACILITY PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGKDBZT*; BSGKDBZS$DBZT*)

REPLY CODE	REPLY (AK54)
BZS	INTEGRAL KEY
BZT	KEYWAY
CDS	TAPERED KEYWAY

NOTE FOR MRCS NMBR, ABSF, AEVD, AEVG, BYDY, ABRR, AEVF, AND AEVJ: IF REPLY CODE BZS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABSF, AEVD, AND BYDY WHEN ENDS OF HUB ARE DIFFERENT. IF MORE THAN ONE INTEGRAL KEY, REPLY TO MRC AEVG. IF REPLY CODE BZT IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AND AEVF. IF MORE THAN ONE KEYWAY, REPLY TO MRC AEVJ. IF REPLY CODE CDS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AEVF, AND BYDY WHEN ENDS OF HUB ARE DIFFERENT. IF MORE THAN ONE TAPERED KEYWAY, REPLY TO MRC AEVJ.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA1*: NMBRA1$A2*)

ALL* (See Note Preceding MRC NMBR)

ABSF J KEY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSFJAA0.187*; ABSFJLA4.7*; ABSFJAB0.172$$JAC0.203*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVD J DISTANCE FROM CENTER OF BORE TO TOP OF KEY

Definition: THE DISTANCE FROM THE CENTER OF THE BORE TO THE TOP OF THE KEY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVDJAA0.625*; AEVDJLA15.8*; AEVDJAB0.625$$JAC0.725*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVG B KEY SPACING IN DEG

Definition: A MEASUREMENT OF THE AMOUNT OF TURNING NECESSARY TO BRING ONE KEY INTO COINCIDENCE WITH ANOTHER, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AEVGB90.0*)

ALL* (See Note Preceding MRC NMBR)

BYDY D KEYING FACILITY LARGEST DIMENSION LOCATION

Definition: INDICATES THE LOCATION OF THE LARGEST DIMENSION OF THE KEYING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDYDBCA*; BYDYDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC NMBR)

ABRR J KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEYWAY, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRRJAA0.312*; ABRRJLA7.9*; ABRRJAB0.297$$JAC0.328*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVF	J	DISTANCE FROM CENTER OF BORE TO BOTTOM OF KEYWAY

Definition: THE DISTANCE FROM THE CENTER OF THE BORE TO THE BOTTOM OF THE KEYWAY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVFJAA0.625*; AEVFJLA15.8*; AEVFJAB0.500$$JAC0.650*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVJ	B	KEYWAY SPACING IN DEG

APP Key	MRC	Mode Code	Requirements

Definition: A MEASURE OF THE AMOUNT OF TURNING NECESSARY TO BRING ONE KEYWAY INTO COINCIDENCE WITH ANOTHER, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AEVJB90.0*)

ALL*

BYDZ D PROTRUDING HUB CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE PROTRUDING HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDZDAAH*; BYDZDAAG$DAAH*)

REPLY CODE	REPLY (AJ88)
AAG	GROOVED
AAJ	PLAIN
AAH	STEPPED

ALL*

BYZL J FIRST STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FIRST STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZLJAABBZ2.625*; BYZLJLABBZ75.8*; BYZLJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH END

ALL*

BYZM J SECOND STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE SECOND STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZMJAABBZ2.625*; BYZMJLABBZ75.8*; BYZMJABBBZ0.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

APP Key	MRC	Mode Code	Requirements

ALL*

BYZN J FIRST STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE FIRST STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZNJAABBZ2.625*; BYZNJLABBZ75.8*; BYZNJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZP J SECOND STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE SECOND STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZPJAABBZ2.625*; BYZPJLABBZ75.8*; BYZPJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZQ J THIRD STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE THIRD STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZQJAABBZ2.625*; BYZQJLABBZ75.8*; BYZQJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZR J FIRST END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE FIRST END GROOVE .

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZRJAABBZ0.625*; BYZRJLABBZ15.8*; BYZRJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZS J FIRST END GROOVE WIDTH AND LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE WIDTH AND LOCATION OF THE FIRST END GROOVE..

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZSJAABBZ0.625*; BYZSJLABBZ15.8*; BYZSJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZT J FIRST END LENGTH FROM GROOVE TO END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND ITS LOCATION ON THE FIRST END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZTJAABBZ0.625*; BYZTJLABBZ15.8*; BYZTJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZW J FOURTH STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FOURTH STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZWJAABBZ2.625*; BYZWJLABBZ75.8*; BYZWJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH END

ALL*

BYZX J THIRD STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE THIRD STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZXJAABCA0.625*; BYZXJLABCA15.8*; BYZXJABBCA0.500$$JACBCA0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZY J FOURTH STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE FOURTH STEP.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZYJAABBZ0.625*; BYZYJLABBZ15.8*; BYZYJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZZ J SECOND END GROOVE WIDTH AND LOCATION

Definition: THE WIDTH AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZZJAA0.625*; BYZZJLA15.8*; BYZZJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BZBB J SECOND END DISTANCE FROM GROOVE TO END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND ITS LOCATION ON THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BBZBJAA0.625*; BBZBJLA15.8*; BBZBJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

APP Key	MRC	Mode Code	Requirements

ALL*

BZBC J SECOND END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BZBCJAA0.625*; BZBCJLA15.8*; BZBCJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYR J HUB END OUTSIDE DIAMETER AND LOCATION

Definition: THE OUTSIDE DIAMETER AND LOCATION OF THE HUB END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYRJAA0.625*; CLYRJLA15.8*; CLYRJAB0.500$$JAC0.650*)

APP Key	MRC	Mode Code	Requirements

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYS J DISTANCE FROM OUTSIDE FLANGE/RIM TO HUB END AND LOCATION

Definition: THE DISTANCE FROM THE OUTSIDE FLANGE OR RIM TO THE HUB END, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYSJAA0.625*; CLYSJLA15.8*; CLYSJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL

BSYG D SPLIT HUB FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SPLIT HUB FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSYGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BYFC AND BYFD: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC BSYG.

ALL* (See Note Above)

BYFC D HUB SPLIT LOCATION

Definition: INDICATES THE LOCATION OF THE SPLIT(S) ON THE HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFCDCBQ*; BYFCDCBP$DCBQ*)

REPLY CODE	REPLY (AJ91)
CBP	THROUGH BOTH WALLS
CBQ	THROUGH ONE WALL

ALL* (See Note Preceding MRC BYFC)

APP Key	MRC	Mode Code	Requirements
	BYFD	A	CLAMPING BOLT QUANTITY

Definition: THE NUMBER OF CLAMPING BOLTS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BYFDA4*; BYFDA2$A4*)

ALL*

BSNP	D	SECURING METHOD

Definition: THE MEANS BY WHICH THE ITEM IS SECURED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BSNPDAKK*; BSNPDBFX$$DAAF*; BSNPDBGE$DAKK*)

NOTE FOR MRCS BYFF, AHYF, ABUJ, THSD, CQJX, CTTC, CQQR, AAJE, AAJF, BFYT, ABKG, AGGP, AND BYFG: IF A REPLY IS ENTERED FOR MRC BSNP, REPLY TO MRC BYFF. IF REPLY CODE AHF IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, ABUJ OR THSD. IF MRC THSD IS SELECTED REPLY TO MRCS CQJX, AAJF, BFYT, AND EITHER CQQR OR AAJE. IF REPLY CODE BFY IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, BFYT, AND AGGP OR MRC BYFG, IF HOLE IS TAPERED. IF HOLE IS LOCATED ON PULLEY SURFACE, REPLY TO MRC ABKG.

ALL* (See Note Above)

BYFF	D	SECURING LOCATION

Definition: INDICATES THE LOCATION FOR SECURING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFFDBBZ*; BYFFDAHH$$DADM*; BYFFDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS
ADM	PULLEY SURFACE

ALL* (See Note Above)

AHYF	A	SECURING HOLE QUANTITY

APP
Key MRC Mode Code Requirements

Definition: THE NUMBER OF HOLES PROVIDED FOR SECURING THE ITEM IN A FIXED POSITION.

Reply Instructions: Enter the quantity. (e.g., AHYFA4*; AHYFA4$$A6*;AHYFA4$A6*)

ALL* (See Note Preceding MRC BYFF)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the thread size.

(e.g., ABUJA3/8-16*;

ABUJA1/4-16$$A3/8-16*;

ABUJA1/4-16$A3/8-16*)

ALL* (See Note preceding MRC BYFF)

THSD D THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., THSDDSS*)

REPLY CODE	REPLY (AH06)
SM	ISO M
SS	ISO S
EM	M
MJ	MJ
SJ	SI
SK	SI-M

ALL* (See Note Preceding MRC BYFF)

CQJX J NOMINAL THREAD SIZE

APP Key	MRC	Mode Code	Requirements

Definition: A DESIGNATION THAT IS USED FOR THE PURPOSE OF GENERAL IDENTIFICATION OF THE THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below and the numeric value. (e.g., CQJXJA0.250*; CQJXJL6.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC BYFF)

CTTC J THREAD TOLERANCE CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING ESTABLISHED PITCH AND CREST DIAMETER TOLERANCE POSITION AND GRADE.

Reply Instructions: Enter the applicable Reply Code from table below and the designator. (e.g., CTTCJNTE4H6H*)

When the pitch and crest diameter tolerances are identical (i.e, M6X1–6H6H), enter the designation once (e.g., CTTCJNTE6H*)

REPLY CODE	REPLY (AN73)
EXT	EXTERNAL
NTE	INTERNAL

ALL* (See Note preceding MRC BYFF)

CQQR B THREAD PITCH IN MILLIMETERS

Definition: A MEASUREMENT OF DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREAD AXIS, EXPRESSED IN MILLIMETERS.

Reply Instructions: Enter the numeric value. (e.g., CQQRB0.75*)

ALL* (See Note preceding MRC BYFF)

AAJE J THREAD PITCH DIAMETERS

APP Key	MRC	Mode Code	Requirements

Definition: THE MINIMUM AND MAXIMUM PITCH DIAMETER LIMITS OF A STRAIGHT SCREW THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. Precede each value with the letter P. (e.g., AAJEJAP0.2157/P0.2195*; AAJEJLP5.294/P5.350*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note preceding MRC BYFF)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note preceding MRC BYFF)

BFYT G HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BYFTG1/2 IN. FROM HUB END*; ONE ON TOP OF KEY*; BFYTGONE 90 DEG FROM KEYWAY*)

ALL* (See Note Preceding MRC BYFF)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA4.750*; ABKGJLA190.5*; ABKGJAA4.750$$JAA6.000*; ABKGJAB4.734$$JAC4.766*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

AGGP J DRILLED HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A DRILLED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGGPJAA0.250*; AGGPJLA6.3*; AGGPJAA0.234$$JAA0.350*; AGGPJAB0.234$$JAC0.266*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

BYFG A TAPERED HOLE SIZE

APP Key	MRC	Mode Code	Requirements

Definition: DESIGNATES THE STANDARD SIZE DESIGNATION OF THE TAPERED HOLE.

Reply Instructions: Enter the alpha/numeric size. (e.g., BYFGANUMBER 4*)

ALL*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNGONE ZERK FITTING*; AKYNGONE ZERK FITTING; ONE OIL RESERVOIR*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED08110*)

ALL

ALPN	D	FACE TYPE

Definition: INDICATES THE TYPE OF FACE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALPNDBB*; ALPNDBB$DBC*)

REPLY CODE	REPLY (AG69)
BB	STEP CONE
BC	STEP GROOVE
BD	TAPERED CONE

NOTE FOR MRCS ATPC, AQPL, BCCJ, BXSM, AHMG, AND AHMH: IF REPLY CODE BB IS ENTERED FOR MRC ALPN, REPLY TO MRCS ATPC, AQPL, AND BCCJ. IF REPLY CODE BC IS ENTERED FOR MRC ALPN, REPLY TO MRCS AQPL, BCCJ, AND BXSM. IF REPLY CODE BD IS ENTERED FOR MRC ALPN, REPLY TO MRCS AQPL, AHMG, AND AHMH.

ALL* (See Note Above)

ATPC	A	STEP QUANTITY

Definition: THE NUMBER OF STEPS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ATPCA4*; ATPCA3$A4*)

ALL* (See Note Preceding MRC ATPC)

AQPL	J	FACE WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE FACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQPLJAA2.250*; AQPLJLA57.1*; AQPLJAB2.000$$JAC3.000*)

For multiple faces, use AND coding ($$) entering the smallest face width first. (e.g., AQPLJAA2.250$$JAA2.875*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ATPC)

BCCJ J STEP OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE STEP, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BCCJJAA7.000*; BCCJJLA177.8*; BCCJJAB5.000$$JAC5.750*)

For multiple replies, use AND coding ($$) entering the largest outside diameter first. (e.g., BCCJJAA7.000$$JAA5.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC ATPC)

BXSM D GROOVE SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE GROOVE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSMDZK*)

REPLY CODE	REPLY (AD07)
PD	U
ZK	V

NOTE FOR MRCS AHXQ, ABGA, ABGF, AGWA, AGGS, BXSN, AND BZRD: IF REPLY CODE PD IS ENTERED FOR MRC BXSM, REPLY TO MRCS AXHQ, ABGA, ABGF, AND AGWA. IF REPLY CODE ZK IS ENTERED FOR MRC BXSM, REPLY TO MRCS AXHQ, ABGA, ABGF, AGGS, BXSN, AND BZRD.

ALL* (See Note Above)

AXHQ A GROOVE QUANTITY

Definition: THE NUMBER OF GROOVES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXHQA4*; AXHQA2$A4*)

NOTE FOR MRCS ABGA, ABGF, AGWA, AGGS, BXSN, AND BZRD: FOR MULTIPLE REPLIES, USE AND CODING ($$) ENTERING THE DIMENSIONS FOR EACH GROOVE, STARTING WITH THE GROOVE FARTHEST FROM THE HUB END.

ALL* (See Note Above and Preceding MRC AXHQ)

ABGA J GROOVE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF A GROOVE, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGAJAA0.687*; ABGAJLA17.2*; ABGAJAA0.500$$JAA4.500*; ABGAJAB0.594$$JAC0.687*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCS AXHQ and ABGA)

ABGF J GROOVE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A GROOVE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGFJAA0.500*; ABGFJLA12.4*; ABGFJAA0.500$$JAA0.475*; ABGFJAB0.380$$JAC0.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AXHQ and ABGA)

AGWA J GROOVE RADIUS

Definition: A MEASUREMENT OF A LINE SEGMENT EXTENDING FROM THE CENTER OF A GROOVE TO THE INSIDE SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGWAJAA0.049*; AGWAJLA1.2*; AGWAJAA0.049$$JAA0.040*; AGWAJAB0.067$$JAC0.083*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCS AXHQ and ABGA)

AGGS B V GROOVE ANGLE IN DEG

Definition: THE ANGLE OF THE V GROOVE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AGGSB40.0*)

For items with multiple or optional angles, use AND/OR coding ($$/$) entering the smallest angle first. (e.g., AGGSB30.0$$B40.0*; AGGSB30.0$B40.0*)

ALL* (See Note Preceding MRCS AXHQ and ABGA)

BXSN A STANDARD V-BELT SECTION DESIGNATION FOR WHICH DESIGNED

Definition: THE ALPHA AND/OR NUMERIC SECTION DESIGNATION OF THE STANDARD V-BELT FOR WHICH DESIGNED.

Reply Instructions: Enter the section designation. (e.g., BXSNAS*) For items with multiple or optional section designation, use AND/OR coding entering replies in alpha and/or number sequence. (e.g., BXSNAB$$AC*; BXSNAB$AC*)

ALL* (See Note Preceding MRCS AXHQ and ABGA)

BZRD J V GROOVE PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER MEASUREMENT SCALE OF THE V GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZRDJAA4.500*; BZRDJLA100.5*; BZRDJAA4.500$$JAA4.000*; BZRDJAB5.750$$JAC7.000*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ATPC)

AHMG J LARGE END OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGE END, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHMGJAA12.000*; AHMGJLA304.8*; AHMGJAB11.000$$JAC13.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ATPC)

AHMH J SMALL END OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALL END, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHMHJAA9.000*; AHMHJLA228.6*; AHMHJAB8.000$$JAC10.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

STYL L STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable group designator and style number from Appendix B , Reference Drawing Group E. (e.g., STYLLE14*)

Grooved, stepped hubs, or bore will not be considered in determining styles.

ALL

ARJD D DESIGN FORM

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARJDDADF*; ARJDDADF$DADG*)

REPLY CODE	REPLY (AL52)
AAM	PLAIN
ADF	SPOKED
ADG	WEBBED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC BXSH: REPLY TO THIS MRC, IF REPLY CODE ADF OR ADG IS ENTERED FOR MRC ARJD.

ALL* (See Note Above)

BXSH D WEB/SPOKE RELATIONSHIP TO FACE CENTERLINE

Definition: AN INDICATION OF THE RELATIONSHIP BETWEEN THE WEBBING OR SPOKES AND THE CENTERLINE OF THE FACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSHDSW*)

REPLY CODE	REPLY (AE98)
SW	NOT OFFSET
TK	OFFSET

ALL

BXSJ D LIGHTENING HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LIGHTENING HOLE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BXSK D INTEGRAL COOLING VANE

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL COOLING VANE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSKDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA6.125*; ABHPJLA155.5*; ABHPJAB6.000$$JAC6.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ANNQ H MATERIAL AND LOCATION

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the applicable Reply Code from the table below. (e.g., ANNQHST0000AAB)*

For items with multiple locations or optional materials use AND/OR ($$/$) Coding as applicable.

(e.g., ANNQHST0000ABQ$$HSTB000AAF; ANNQHST0000ABQ$HSTB000APG*)*

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
ABQ	BODY
AJP	FLANGE
AAF	HUB
AAB	OVERALL
APG	RIM

ALL*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDCDR000*; SURFDCDR000$$DCRA000*; SURFDCDR000$DCRA000*)

ALL

BYFS D BORE BEARING

Definition: AN INDICATION OF WHETHER OR NOT A BORE BEARING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFSDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BYDT AND BDDY: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC BYFS.

ALL* (See Note Above)

BYDT D BEARING TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF BEARING PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDTDAH*)

For items with multiple or optional types, use AND/OR coding ($$/$) entering replies in reply table sequence. (e.g., BYDTDAF$$DAH*; BYDTDAD$DAE*)

REPLY CODE	REPLY (AH96)
AD	ANNULAR ROLLER
AE	BALL
AF	BEARING ROLLER
AG	FLANGED
AH	NEEDLE ROLLER
AJ	ROLLER
AK	SLEEVE

NOTE FOR MRC BYDW: REPLY TO THIS MRC, IF REPLY CODE AF IS ENTERED FOR MRC BYDT.

ALL* (See Note Above)

BYDW J SHAFT SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE SIZE OF THE SHAFT FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYDWJAA0.837*; BYDWJLA21.2*; BYDWJAB0.800$$JAC0.870*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYDT)

APP Key	MRC	Mode Code	Requirements
	BDDY	A	BEARING QUANTITY

Definition: THE NUMBER OF BEARINGS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BDDYA2*; BDDYA2$A3*)

ALL

ASBP	D	BORE TYPE

Definition: INDICATES THE TYPE OF BORE USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBPDAB*; ASBPDAB$DAC*)

REPLY CODE	REPLY (AL72)
AK	INVOLUTE SPLINE
AB	STRAIGHT
AM	STRAIGHT SPLINE
AC	TAPERED

NOTE FOR MRCS ABSA, AXFG, BDTX, AAUJ, ABSC, AXFH, AXND, ABXV, ADGE, BYDX, ANAL, ANAM, AWPJ, AND BSGG: IF REPLY CODE AK IS ENTERED FOR MRC ASBP, REPLY TO MRCS ABSA, AXFG, BDTX, AAUJ, ABSC, AXFH, AND AXND. IF REPLY CODE AB IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ABXV, ADGE, AND BSGG. IF REPLY CODE AM IS ENTERED FOR MRC ASBP, REPLY TO MRCS ABSA, AAUJ, ABSC, AXFH, AND AXND, AND MRC BYDX IF ENDS OF HUB ARE DIFFERENT. IF REPLY CODE AC IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ANAL, ANAM, AND BSGG, AND MRC AWPJ IF ENDS OF HUB ARE DIFFERENT.

ALL* (See Note Above)

ABSA	A	SPLINE QUANTITY

Definition: THE NUMBER OF SPLINES ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA10*; ABSAA8$A10*)

ALL* (See Note Preceding MRC ABSA)

AXFG	B	SPLINE PRESSURE ANGLE IN DEG

APP
Key MRC Mode Code Requirements

Definition: THE PRESSURE ANGLE OF THE SPLINE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AXFGB26.0*)

ALL* (See Note Preceding MRC ABSA)

BDTX J SPLINE PITCH DIAMETER

Definition: A MEASUREMENT OF THE SPLINE PITCH DIAMETER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BDTXJAA0.842*; BDTXJLA21.0*; BDTXJAB0.822$$JAC0.862*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AAUJ J SPLINE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUJJAA0.763*; AAUJJLA19.3*; AAUJJAB0.700$$JAC0.800*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

ABSC J SPLINE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSCJAA0.750*; ABSCJLA19.0*; ABSCJAB0.500$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AXFH J SPLINE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SPLINE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFHJAA1.250*; AXFHJLA31.8*; AXFHJAB1.125$$JAC1.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AXND D COUNTERBORE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A COUNTERBORE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXNDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BDYS, AAWY, AND AAWZ: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC AXND.

ALL* (See Note Above)

BDYS D COUNTERBORE LOCATION

Definition: INDICATES THE LOCATION OF THE COUNTERBORE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDYSDAHH*; BDYSDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BDYS)

APP Key	MRC	Mode Code	Requirements

AAWY J COUNTERBORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A COUNTERBORED PORTION OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWYJAA1.125*; AAWYJLA25.4*; AAWYJAB1.000$$JAC1.125*)

When reply to both ends is indicated, use AND coding ($$) entering the AA END first. See Appendix C, Table 1, for determination of AA END. (e.g., AAWYJAA1.125$$JAA1.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BDYS)

AAWZ J COUNTERBORE DEPTH

Definition: THE DEPTH OF THE PROCESS USED TO ENLARGE PART OF A HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWZJLA12.2*; AAWZJAA0.437*; AAWZJAB0.420$$JAC0.525*)

When reply to both ends is required, use AND coding ($$) entering the "AA END" first. See Appendix C, Table 1, for determination of "AA END". (e.g., AAWZJAA0.400$$JAA0.525*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

ABXV J BORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXVJAA0.850*; ABXVJLA21.5*; ABXVJAB0.800$$JAC0.900*)

If a bearing is included in the bore, give the inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

ADGE J BORE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGEJAA2.250*; ADGEJLA57.1*; ADGEJAB2.125$$JAC2.375*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

BYDX D TAPERED SPLINE LARGEST MINOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPERED SPLINE LARGEST MINOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDXDBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC ABSA)

ANAL J TAPER BORE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANALJAA1.125*; ANALJLA28.5*; ANALJAB1.120$$JAC1.130*)

If a bearing is included in the bore, give the major inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

ANAM J TAPER BORE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANAMJAA0.612*; ANAMJLA15.5*; ANAMJAB0.600$$JAC0.624*)

If a bearing is included in the bore, give the minor inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AWPJ D TAPER MAJOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPER MAJOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWPJDBBZ*)

Refer to Appendix C, Table 1, to determine hub end.

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC ABSA)

BSGG D KEYING FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A KEYING FACILITY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC BSGK: REPLY TO THIS MRC, IF REPLY CODE B IS ENTERED FOR MRC BSGG.

ALL* (See Note Above)

BSGK D KEYING FACILITY TYPE

Definition: INDICATES THE TYPE OF KEYING FACILITY PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGKDBZT*; BSGKDBZS$DBZT*)

REPLY CODE	REPLY (AK54)
BZS	INTEGRAL KEY
BZT	KEYWAY
CDS	TAPERED KEYWAY

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS NMBR, ABSF, AEVD, BSGJ, BYDY, ABRR, AND AEVF: IF REPLY CODE BZS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABSF, AEVD, AND TO MRC BYDY IF HUB ENDS ARE DIFFERENT. IF REPLY CODE BZT IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AEVF, AND IF MORE THAN ONE KEYING FACILITY, REPLY TO MRC BSGJ. IF REPLY CODE CDS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AEVF, AND BYDY IF HUB ENDS ARE DIFFERENT. IF MORE THAN ONE KEYING FACILITY REPLY TO MRC BSGJ.

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA1*; NMBRA1$A2*)

ALL* (See Note Preceding MRC NMBR)

ABSF J KEY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSFJAA0.203*; ABSFJLA5.1*; ABSFJAB0.200$$JAC0.206*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVD J DISTANCE FROM CENTER OF BORE TO TOP OF KEY

APP Key	MRC	Mode Code	Requirements

Definition: THE DISTANCE FROM THE CENTER OF THE BORE TO THE TOP OF THE KEY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVDJAA0.625*; AEVDJLA15.8*; AEVDJAB0.450$$JAC0.500*)

If bore or key is tapered, use AND coding ($$), entering largest dimension first. (e.g., AEVDJAC0.500$$JAB0.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

BSGJ	B	KEYING FACILITY SPACING IN DEG

Definition: THE ANGLE AT WHICH THE KEYING FACILITY(IES) IS SPACED, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., BSGJB90.0*)

ALL* (See Note Preceding MRC NMBR)

BYDY	D	KEYING FACILITY LARGEST DIMENSION LOCATION

Definition: INDICATES THE LOCATION OF THE LARGEST DIMENSION OF THE KEYING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDYDBBZ*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)

APP Key	MRC	Mode Code	Requirements
		BBZ	AA END
		BCA	BB END

ALL* (See Note Preceding MRC NMBR

ABRR J KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEYWAY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRRJAA0.187*; ABRRJLA4.7*; ABRRJAB0.180$$JAC0.194*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVF J DISTANCE FROM CENTER OF BORE TO BOTTOM OF KEYWAY

Definition: THE MEASUREMENT FROM THE CENTER OF THE BORE TO THE BOTTOM OF THE KEYWAY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVFJAA0.625*; AEVFJLA15.8*; AEVFJAB0.600$$JAB0.650*)

If bore or keyway is tapered, use AND coding ($$), entering the largest dimension first. (e.g., AEVFJAC0.500$$JAB0.250*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BYDZ D PROTRUDING HUB CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE PROTRUDING HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDZDAAG*; BYDZDAAG$DAAH*)

REPLY CODE	REPLY (AJ88)
AAG	GROOVED
AAJ	PLAIN
AAH	STEPPED

ALL*

BYZL J FIRST STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FIRST STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZLJAABBZ2.625*; BYZLJLABBZ75.8*; BYZLJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZM J SECOND STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE SECOND STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZMJAABBZ2.625*; BYZMJLABBZ75.8*; BYZMJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

APP Key	MRC	Mode Code	Requirements

ALL*

BYZN J FIRST STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE FIRST STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZNJAABBZ0.625*; BYZNJLABBZ15.8*; BYZNJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZP J SECOND STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE SECOND STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZPJAABBZ0.625*; BYZPJLABBZ15.8*; BYZPJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

APP Key	MRC	Mode Code	Requirements

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZQ J THIRD STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE THIRD STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZQJAABBZ2.625*; BYZQJLABBZ75.8*; BYZQJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZR J FIRST END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE FIRST END GROOVE .

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZRJAABBZ0.625*; BYZRJLABBZ15.8*; BYZRJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

APP Key	MRC	Mode Code	Requirements
	BYZS	J	FIRST END GROOVE WIDTH AND LOCATION

Definition: THE WIDTH AND LOCATION OF THE FIRST END GROOVE..

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZSJAABBZ0.625*; BYZSJLABBZ15.8*; BYZSJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

	BYZT	J	FIRST END LENGTH FROM GROOVE TO END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND ITS LOCATION ON THE FIRST END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZTJAABBZ0.625*; BYZTJLABBZ15.8*; BYZTJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZW J FOURTH STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FOURTH STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZWJAABBZ2.625*; BYZWJLABBZ75.8*; BYZWJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZX J THIRD STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE THIRD STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZXJAABBZ0.625*; BYZXJLABBZ15.8*; BYZXJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZY J FOURTH STEP LENGTH AND LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH AND LOCATION OF THE FOURTH STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZYJAABBZ0.625*; BYZYJLABBZ15.8*; BYZYJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZZ J SECOND END GROOVE WIDTH AND LOCATION

Definition: THE WIDTH AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZZJAABBZ0.625*; BYZZJLABBZ15.8*; BYZZJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BZBB J SECOND END DISTANCE FROM GROOVE TO END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND ITS LOCATION ON THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BBZBJAABBZ0.625*; BBZBJLABBZ15.8*; BBZBJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END

APP Key	MRC	Mode Code	Requirements
		BCA	BB END
		AHH	BOTH ENDS

ALL*

BZBC J SECOND END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BZBCJAABBZ0.625*; BZBCJLABBZ15.8*; BZBCJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYR J HUB END OUTSIDE DIAMETER AND LOCATION

Definition: THE OUTSIDE DIAMETER AND LOCATION OF THE HUB END.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYRJAABBZ2.625*; CLYRJLABBZ75.8*; CLYRJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYS	J	DISTANCE FROM OUTSIDE FLANGE/RIM TO HUB END AND LOCATION

Definition: THE DISTANCE FROM THE OUTSIDE FLANGE OR RIM TO THE HUB END, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYSJAABBZ0.625*; CLYSJLABBZ15.8*; CLYSJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

NOTE FOR MRCS BYFB AND BSYG: IF REPLY CODE AAG OR AAH IS ENTERED FOR MRC BYDZ, ENTER THE APPLICABLE GROOVED/STEPPED HUB DIMENSIONS AND REPLY TO MRCS BYFB AND BSYG. IF REPLY CODE AAJ IS ENTERED FOR MRC BYDZ, ENTER THE APPLICABLE PLAIN HUB DIMENSIONS AND REPLY TO MRC BSYG.

ALL* (See Note Above)

BYFB D GROOVE/STEP LOCATION

Definition: INDICATES THE LOCATION OF THE GROOVE OR STEP ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFBDBCA*; BYFBDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BYFB)

BSYG D SPLIT HUB FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A SPLIT HUB FEATURE IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSYGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BYFC AND BYFD: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC BSYG.

ALL* (See Note Above)

BYFC D HUB SPLIT LOCATION

Definition: INDICATES THE LOCATION OF THE SPLIT(S) ON THE HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFCDCBQ*; BYFCDCBP$$DCBQ*; BYFCDCBP$DCBQ*)

REPLY CODE	REPLY (AJ91)
CBP	THROUGH BOTH WALLS
CBQ	THROUGH ONE WALL

ALL* (See Note Preceding MRC BYFC)

BYFD A CLAMPING BOLT QUANTITY

Definition: THE NUMBER OF CLAMPING BOLTS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BYFDA4*; BYFDA3$A4*)

ALL*

BSNP D SECURING METHOD

Definition: THE MEANS BY WHICH THE ITEM IS SECURED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BSNPDAAE*; BSNPDAAD$DAAE*; BSNPDAAF$$DBFG*)

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS BYFF, AHYF, ABUJ, THSD, CQJX, CTTC, CQQR, AAJE, AAJF, BFYT, ABKG, AGGP AND BYFG: IF A REPLY IS ENTERED FOR MRC BSNP AND HUBS ARE INCLUDED ON THE ITEM, REPLY TO MRC BYFF. IF REPLY CODE AHF IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, ABUJ, OR THSD. IF MRC THSD IS SELECTED REPLY TO MRCS CQJX, AAJF, BFYT, AND EITHER CQQR OR AAJE. IF REPLY CODE BFY IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, BFYT, AND AGGP, OR TO MRC BYFG IF HOLE IS TAPERED. IF REPLY CODE AHF OR BFY IS ENTERED FOR MRC BSNP AND HOLES ARE LOCATED ON PULLEY SURFACE, REPLY TO MRC ABKG.

ALL* (See Note Above)

BYFF D SECURING LOCATION

Definition: INDICATES THE LOCATION FOR SECURING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFFDBBZ*; BYFFDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BYFF)

AHYF A SECURING HOLE QUANTITY

Definition: THE NUMBER OF HOLES PROVIDED FOR SECURING THE ITEM IN A FIXED POSITION.

Reply Instructions: Enter the quantity. (e.g., AHYFA4*; AHYFA3$A4*)

ALL* (See Note Preceding MRC BYFF)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the thread size.

APP
Key MRC Mode Code Requirements

(e.g., ABUJA3/8-16*)

ALL* (See Note Preceding MRC BYFF)

THSD D THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., THSDDSS*)

REPLY CODE	REPLY (AH06)
SM	ISO M
SS	ISO S
EM	M
MJ	MJ
SJ	SI
SK	SI-M

ALL* (See Note Preceding MRC BYFF)

CQJX J NOMINAL THREAD SIZE

Definition: A DESIGNATION THAT IS USED FOR THE PURPOSE OF GENERAL IDENTIFICATION OF THE THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CQJXJA0.250*; CQJXJL6.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (Note Preceding MRC BYFF)

CTTC J THREAD TOLERANCE CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING ESTABLISHED PITCH AND CREST DIAMETER TOLERANCE POSITION AND GRADE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from table below, and the designator. (e.g., CTTCJNTE4H6H*)

When the pitch and crest diameter tolerances are identical, i.e, M6 X1-6H6H, enter the designation once. (e.g., CTTCJNTE6H*)

REPLY CODE	REPLY (AN73)
EXT	EXTERNAL
NTE	INTERNAL

ALL* (See Note Preceding MRC BYFF)

CQQR B THREAD PITCH IN MILLIMETERS

Definition: A MEASUREMENT OF DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREAD AXIS, EXPRESSED IN MILLIMETERS.

Reply Instructions: Enter the numeric value. (e.g., CQQRB0.75*)

ALL* (See Note Preceding MRC BYFF)

AAJE J THREAD PITCH DIAMETERS

Definition: THE MINIMUM AND MAXIMUM PITCH DIAMETER LIMITS OF A STRAIGHT SCREW THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below, and the numeric values separated by a slash. Precede all values with a P. (e.g., AAJEJAP0.2157/PO.2195* AAJEJLP5.294/P5.350*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC BYFF)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC BYFF)

BFYT G HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BFYTGIN SECOND GROOVE OF PULLEY*)

ALL* (See Note Preceding MRC BYFF)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA4.125*; ABKGJLA104.7*; ABKGJAB4.000$$JAC4.250*; ABKGJAA4.000$$JAA5.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

AGGP J DRILLED HOLE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A DRILLED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGGPJAA0.312*; AGGPJLA7.9*; AGGPJAB0.300$$JAC0.324*; AGGPJAA0.250$$JAA0.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

BYFG A TAPERED HOLE SIZE

Definition: DESIGNATES THE STANDARD SIZE DESIGNATION OF THE TAPERED HOLE.

Reply Instructions: Enter the alpha/numeric size. (e.g., BYFGANUMBER 2*)

ALL*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNGONE SETSCREW*; AKYNGONE SETSCREW; ONE ZERK FITTING*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04456*)

CA			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable group designator and style number from Appendix B , Reference Drawing Group A. (e.g., STYLLA6*)

Grooved, stepped hubs, or bore will not be considered in determining styles.

ALL			
	ARJD	D	DESIGN FORM

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARJDDADF*; ARJDDAAM$DADF*)

REPLY CODE	REPLY (AL52)
AAM	PLAIN
ADF	SPOKED
ADG	WEBBED

CA			
	BXSJ	D	LIGHTENING HOLE

Definition: AN INDICATION OF WHETHER OR NOT A LIGHTENING HOLE(S) IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BXSJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BYFH D BELT/CHAIN/FILM SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE BELT, CHAIN, OR FILM SIZE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., BYFHDDEB*; BYFHDDEB$DDED*)

NOTE FOR MRCS BYFJ AND AQWM: IF REPLY CODE CDL IS ENTERED FOR MRC BYFH, REPLY TO MRC BYFJ. IF REPLY CODE DDX OR CDN IS ENTERED FOR MRC BYFH, REPLY TO MRC AQWM.

ALL* (See Note Above)

BYFJ D ROLLER CHAIN PITCH TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF ROLLER CHAIN PITCH FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFJDDEE*; BYFJDDDY$$DDEE*; BYFJDDDY$DDEE*)

REPLY CODE	REPLY (AK54)
DDY	DOUBLE PITCH (sprocket pitch encompasses two teeth)
DEE	DOUBLE ROLLER (two sprocket teeth accommodate two rollers of the chain)
DEF	SINGLE PITCH (sprocket pitch encompasses one tooth)

ALL* (See Note Preceding MRC BYFJ)

APP Key	MRC	Mode Code	Requirements
	AQWM	D	GUIDE

Definition: AN INDICATION OF WHETHER OR NOT A GUIDE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQWMDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC BMHW: REPLY TO THIS MRC, IF REPLY CODE B IS ENTERED FOR MRC AQWM.

ALL* (See Note Above)

	BMHW	D	GUIDE TYPE

Definition: INDICATES THE TYPE OF GUIDE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BMHWDBL*; BMHWDBH$$DBL*; BMHWDBH$DBL*)

REPLY CODE	REPLY (AD58)
BH	GROOVE
BL	SPROCKET SIDE FLANGE

NOTE FOR MRCS AXHQ, BDRB, AND ABKV: IF REPLY CODE BH IS ENTERED FOR MRC BMHW, REPLY TO MRCS AXHQ AND BDRB. IF REPLY CODE BL IS ENTERED FOR MRC BMHW, REPLY TO MRC ABKV.

ALL* (See Note Above)

	AXHQ	A	GROOVE QUANTITY

Definition: THE NUMBER OF GROOVES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AXHQA2*; AXHQA2$A3*)

ALL* (See Note Preceding MRC AXHQ)

	BDRB	G	GROOVE POSITION

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE POSITION OF THE GROOVE(S) ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BDRBGIN CENTER*)

ALL* (See Note Preceding MRC AXHQ)

ABKV J OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA2.125*; ABKVJLA53.9*; ABKVJAB2.000$$JAC2.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA

BYFL A TEETH ROW QUANTITY

Definition: THE NUMBER OF ROWS OF TEETH PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BYFLA2*)

Sprockets designed to accommodate guide type chains will be considered as having a single row of teeth.

NOTE FOR MRC BYFM: REPLY TO THIS MRC, IF THE REPLY TO MRC BYFL INDICATES MORE THAN ONE ROW OF TEETH.

CA* (See Note Above)

BYFM J CENTER TO CENTER DISTANCE BETWEEN

APP Key	MRC	Mode Code	Requirements

TEETH ROWS

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE TEETH ROWS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYFMJAA0.250*; BYFMJLA6.3*; BYFMJAB0.125$$JAC0.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA

BYFN A TEETH QUANTITY PER ROW

Definition: THE NUMBER OF TEETH INCLUDED IN EACH ROW.

Reply Instructions: Enter the quantity. (e.g., BYFNA73*)

CA

BYGF J TOOTH PITCH

Definition: THE CENTER TO CENTER DISTANCE BETWEEN TEETH MEASURED ALONG THE PITCH LINE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYGFJAA1.086*; BYGFJLA27.5*; BYGFJAB0.076$$JAC0.096*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CB

AAPL J TORQUE LOAD RATING

Definition: THE ABILITY OF AN ITEM TO WITHSTAND A SPECIFIC TORQUE LOAD WITHOUT FRACTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAPLJG24000.000*; AAPLJK6.3*)

REPLY CODE	REPLY (AA56)
K	CENTIMETER - KILOGRAMS
F	FOOT - POUNDS
A	INCH - OUNCES
G	INCH - POUNDS
N	METER NEWTON
L	MILLIMETER - KILOGRAMS

CA*

BYFP A ASA STANDARD CHAIN NUMBER

Definition: THE AMERICAN STANDARDS ASSOCIATION NUMBER BY WHICH THE CHAIN IS IDENTIFIED.

Reply Instructions: Enter the standard chain number.

(e.g., BYFPA100-1*)

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., MATLDST0000*; MATLDAL0000$$DST0000*; MATLDAL0000$DST0000*)

APP Key	MRC	Mode Code	Requirements

CA

BYFQ D HARDNESS RATING TEST METHOD

Definition: THE MEANS USED TO TEST THE RATED HARDNESS OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFQDAAE*)

REPLY CODE	REPLY (AL43)
AAD	BRINELL
N	NOT RATED
AAE	ROCKWELL

NOTE FOR MRCS BYFR AND ASXJ: REPLY TO THESE MRCS, IF REPLY CODE AAD OR AAE IS ENTERED FOR MRC BYFQ. USE ROCKWELL SCALE WHENEVER APPLICABLE. IF ANOTHER RATING IS INDICATED FOR WHICH CONVERSION IS CONSIDERED FEASIBLE, SUPPLEMENT THE REPLIES WITH THE APPROXIMATE ROCKWELL HARDNESS RATING. REPLIES ARE TO BE EXPRESSED IN THE BROADEST ACCEPTABLE CONCEPT.

CA* (See Note Above)

BYFR J TEETH HARDNESS RATING

Definition: A NUMERIC VALUE THAT REFLECTS THE HARDNESS OF THE TEETH WHEN USED IN CONJUNCTION WITH A HARDNESS RATING SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYFRJRAA35.0*)

If a hardness range is indicated, use AND coding ($$) entering in ascending sequence. (e.g., BYFRJRAB30.5$$JRAC35.5*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., BYFRKN*)

Table 1

REPLY CODE	REPLY (AC26)
BS	BRINELL STANDARD
RA	ROCKWELL A
RB	ROCKWELL B
RC	ROCKWELL C

APP Key	MRC	Mode Code	Requirements
		RU	ROCKWELL SUPERFICIAL 30-N

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA* (See Note Preceding MRC BYFR)

ASXJ	J	METALLIC HARDNESS RATING AND LOCATION

Definition: A NUMERIC VALUE, USE IN CONJUNCTION WITH A HARDNESS RATING SCALE, DESIGNATING THE SPECIFIC METALLIC HARDNESS RATING AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., ASXJJRAAABQ45.0*)

If a hardness range is indicated, use AND coding, ($$) entering in ascending sequence. (e.g., ASXJJRBBAAF45.0$$JRBCAAF50.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ASXJKN*)

Table 1

REPLY CODE	REPLY (AC26)
BS	BRINELL STANDARD
RA	ROCKWELL A
RB	ROCKWELL B
RC	ROCKWELL C
RU	ROCKWELL SUPERFICIAL 30-N

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
ABQ	BODY
AAF	HUB

APP Key	MRC	Mode Code	Requirements

CA*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDCHC000*; SURFDCHC000$$DCUN000*; SURFDCHC000$DCUN000*)

ALL

BYFS D BORE BEARING

Definition: AN INDICATION OF WHETHER OR NOT A BORE BEARING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFSDB*)

REPLY CODE	REPLY (AAA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC BDFC: REPLY TO THIS MRC, IF REPLY CODE B IS ENTERED FOR MRC BYFS.

ALL* (See Note Above)

BDFC D LUBRICATION MODE

Definition: THE MEANS OF LUBRICATION APPLIED TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDFCDAAG*; BDFCDAAF$DAAG*)

REPLY CODE	REPLY (AM95)
AAF	NO VISIBLE MEANS
AAG	SELF-IMPREGNATED
AAH	VISIBLE MEANS

APP Key	MRC	Mode Code	Requirements

ALL

ASBP D BORE TYPE

Definition: INDICATES THE TYPE OF BORE USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASBPDAB*; ASBPDAB$DAM*)

REPLY CODE	REPLY (AL72)
AF	D-SHAPED
AK	INVOLUTE SPLINE
AW	SQUARE
AB	STRAIGHT
AM	STRAIGHT SPLINE
AC	TAPERED

NOTE FOR MRCS AGHW, BYFT, AXND, ABSA, AAUJ, ABSC, AXFH, AXFG, BDTX, AFMV, ABXV, ADGE, BYDX, ANAL, ANAM, AWPJ, AND BSGG: IF REPLY CODE AF IS ENTERED FOR MRC ASBP, REPLY TO MRCS AGHW, BYFT, AND AXND. IF REPLY CODE AK IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ABSA, AAUJ, ABSC, AXFH, AXFG, AND BDTX. IF REPLY CODE AW IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND AND AFMV. IF REPLY CODE AB IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ABXV, ADGE, AND BSGG. IF REPLY CODE AM IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ABSA, AAUJ, ABSC, AXFH, AND BYDX WHEN ENDS OF HUB ARE DIFFERENT. IF REPLY CODE AC IS ENTERED FOR MRC ASBP, REPLY TO MRCS AXND, ADGE, ANAL, ANAM, BSGG, AND AWPJ WHEN ENDS OF HUB ARE DIFFERENT.

ALL* (See Note Above)

AGHW J CURVATURE INSIDE RADIUS

Definition: A MEASUREMENT OF A LINE SEGMENT EXTENDING FROM THE CENTER OF A CURVATURE PORTION TO THE INSIDE SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Table 1 and 2 below, followed by the numeric value. (e.g., AGHWJAA1.112*; AGHWJLA28.2*; AGHWJAB1.090$$JAC1.130*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

BYFT J RADIAL CENTER TO FLAT SURFACE DISTANCE

Definition: THE DISTANCE FROM THE RADIAL CENTER TO THE FLAT SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYFTJAA0.873*; BYFTJLA22.1*; BYFTJAB0.800$$JAC0.895*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

AXND D COUNTERBORE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A COUNTERBORE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXNDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

NOTE FOR MRCS BDYS, AAWY AND AAWZ: REPLY TO THESE MRCS, IF REPLY CODE B IS ENTERED FOR MRC AXND.

ALL* (See Note Above)

BDYS D COUNTERBORE LOCATION

Definition: INDICATES THE LOCATION OF THE COUNTERBORE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDYSDBBZ*; BDYSDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BDYS)

AAWY J COUNTERBORE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A COUNTERBORED PORTION OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e..g, AAWYJAA0.372*; AAWYJLA9.4*; AAWYJAB0.350$$JAC0.372*)

When a reply to both ends is required, use AND coding ($$) entering the reply for AA END first. (e.g., AAWYJAA0.350$$JAA0.400*)

See Appendix C, Table 1, for determination of AA END.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BDYS)

AAWZ J COUNTERBORE DEPTH

Definition: THE DEPTH OF THE PROCESS USED TO ENLARGE PART OF A HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAWZJAA0.250*; AAWZJLA6.3*; AAWZJAB0.225$$JAC0.250*)

When a reply to both ends is required, use AND coding ($$) entering the reply for AA END first. (e.g., AAWZJAA0.250$$JAA0.300*)

See Appendix C, Table 1, for determination of AA END.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINES ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA10*; ABSAA8$A10*)

ALL* (See Note Preceding MRC AGHW)

APP Key	MRC	Mode Code	Requirements
	AAUJ	J	SPLINE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUJJAA0.750*; AAUJJLA19.0*; AAUJJAB0.750$$JAC1.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

	ABSC	J	SPLINE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSCJAA0.750*; ABSCJLA19.0*; ABSCJAB0.700$$JAC0.800*)

If splines are tapered, use AND coding ($$) entering the largest dimension first. (e.g., ABSCJAC0.750$$JAB0.50*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

AXFH J SPLINE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SPLINE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXFHJAA1.125*; AXFHJLA28.5*; AXFHJAB1.000$$JAC1.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

AXFG B SPLINE PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE OF THE SPLINE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AXFGB20.0*; AXFGB9.0$B10.0*)

ALL* (See Note Preceding MRC AGHW)

BDTX J SPLINE PITCH DIAMETER

Definition: A MEASUREMENT OF THE SPLINE PITCH DIAMETER.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BDTXJAA0.433*; BDTXJLA11.0*; BDTXJAB0.430$$JAC0.437*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

AFMV J INSIDE WIDTH ACROSS FLATS

Definition: A MEASUREMENT OF THE INSIDE DISTANCE FROM ONE FLAT TO THE OPPOSITE FLAT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFMVJAA3.250*; AFMVJLA83.5*; AFMVJAB3.125$$JAC4.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

ABXV J BORE DIAMETER

APP
Key MRC Mode Code Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXVJAA1.231*; ABXVJLA31.2*; ABXVJAB1.200$$JAC1.262*)

If a bearing is included in the bore, give the inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

ADGE J BORE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BORE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGEJAA4.250*; ADGEJLA107.9*; ADGEJAB4.125$$JAC4.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

APP Key	MRC	Mode Code	Requirements
	BYDX	D	TAPERED SPLINE LARGEST MINOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPERED SPLINE LARGEST MINOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDXDBBZ*; BYDXDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC AGHW)

	ANAL	J	TAPER BORE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANALJAA1.500*; ANALJLA38.1*; ANALJAB1.250$$JAC1.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

	ANAM	J	TAPER BORE MINOR DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST PORTION OF A TAPERED BORE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANAMJAA0.750*; ANAMJLA19.0*; ANAMJAB0.675$$JAC1.000*)

If a bearing is included in the bore, give the minor inside diameter of the bearing.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AGHW)

AWPJ D TAPER MAJOR DIAMETER LOCATION

Definition: INDICATES THE LOCATION OF THE TAPER MAJOR DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWPJDBCA*; AWPJDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC AGHW)

BSGG D KEYING FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A KEYING FACILITY IS INCLUDED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGGDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC BSGK: REPLY TO THIS MRC, IF REPLY CODE B IS ENTERED FOR MRC BSGG.

ALL* (See Note Above)

BSGK D KEYING FACILITY TYPE

Definition: INDICATES THE TYPE OF KEYING FACILITY PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BSGKDCDS*; BSGKDBZS$DBZT*)

REPLY CODE	REPLY (AK54)
BZS	INTEGRAL KEY
BZT	KEYWAY
CDS	TAPERED KEYWAY

NOTE FOR MRCS NMBR, ABSF, AEVD, BSGJ, BYDY, ABRR, AND AEVF: IF REPLY CODE BZS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABSF, AEVD, AND TO MRC BYDY IF HUB ENDS ARE DIFFERENT. IF REPLY CODE BZT IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AEVF, AND IF MORE THAN ONE KEYING FACILITY REPLY TO MRC BSGJ. IF REPLY CODE CDS IS ENTERED FOR MRC BSGK, REPLY TO MRCS NMBR, ABRR, AEVF, AND BYDY IF HUB ENDS ARE DIFFERENT. IF MORE THAN ONE KEYING FACILITY REPLY TO MRC BSGJ.

ALL* (See Note Above)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*; NMBRA2$A3*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC NMBR)

ABSF J KEY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABSFJAA0.203*; ABSFJLA5.1*; ABSFJAB0.200$$JAC0.206*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVD J DISTANCE FROM CENTER OF BORE TO TOP OF KEY

Definition: THE DISTANCE FROM THE CENTER OF THE BORE TO THE TOP OF THE KEY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g.,AEVDJAA0.500*; AEVDJLA12.7*; AEVDJAB0.475$$JAC0.525*)

If bore or key is tapered, use AND coding ($$) entering the largest dimension first. (e.g., AEVDJAC1.000$$JAB0.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

BSGJ B KEYING FACILITY SPACING IN DEG

Definition: THE ANGLE AT WHICH THE KEYING FACILITY(IES) IS SPACED, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., BSGJB90.0*)

ALL* (See Note Preceding MRC NMBR)

BYDY D KEYING FACILITY LARGEST DIMENSION LOCATION

Definition: INDICATES THE LOCATION OF THE LARGEST DIMENSION OF THE KEYING FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDYDBCA*; BYDYDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

ALL* (See Note Preceding MRC NMBR)

ABRR J KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A KEYWAY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRRJAA0.217*; ABRRJLA5.5*; ABRRJAB0.200$$JAC0.234*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC NMBR)

AEVF	J	DISTANCE FROM CENTER OF BORE TO BOTTOM OF KEYWAY

Definition: THE DISTANCE FROM THE CENTER OF THE BORE TO THE BOTTOM OF THE KEYWAY(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVFJAA0.625*; AEVFJLA15.8*; AEVFJAB0.600$$JAC0.650*)

If bore or keyway is tapered, use AND coding ($$) entering the largest dimension first. (e.g., AEVFJAC0.706$$JAB0.512*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA*, CB

BYDZ	D	PROTRUDING HUB CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE PROTRUDING HUB.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYDZDAAJ*; BYDZDAAG$DAAH*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ88)
AAG	GROOVED
AAJ	PLAIN
AAH	STEPPED

ALL*

BYZL J FIRST STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FIRST STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZLJAABBZ2.625*; BYZLJLABBZ75.8*; BYZLJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZM J SECOND STEP FACE LARGEST DIAMETER AND LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE LARGEST DIAMETER AND LOCATION OF THE SECOND STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZMJAABBZ2.625*; BYZMJLABBZ75.8*; BYZMJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZN J FIRST STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE FIRST STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZNJAABBZ0.625*; BYZNJLABBZ15.8*; BYZNJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZP J SECOND STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE SECOND STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZPJAABBZ0.625*; BYZPJLABBZ15.8*; BYZPJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END

APP Key	MRC	Mode Code	Requirements
		AHH	BOTH ENDS

ALL*

BYZQ	J	THIRD STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE THIRD STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZQJAABBZ2.625*; BYZQJLABBZ75.8*; BYZQJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZR	J	FIRST END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE FIRST END GROOVE .

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZRJAABBZ0.625*; BYZRJLABBZ15.8*; BYZRJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZS J FIRST END GROOVE WIDTH AND LOCATION

Definition: THE WIDTH AND LOCATION OF THE FIRST END GROOVE..

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZSJAABBZ0.625*; BYZSJLABBZ15.8*; BYZSJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZT J FIRST END LENGTH FROM GROOVE TO END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND UTS LOCATION ON THE FIRST END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZTJAABBZ0.625*; BYZTJLABBZ15.8*; BYZTJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

APP Key	MRC	Mode Code	Requirements

ALL*

BYZW J FOURTH STEP FACE LARGEST DIAMETER AND LOCATION

Definition: THE LARGEST DIAMETER AND LOCATION OF THE FOURTH STEP FACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZWJAABBZ2.625*; BYZWJLABBZ75.8*; BYZWJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZX J THIRD STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE THIRD STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZXJAABBZ0.625*; BYZXJLABBZ15.8*; BYZXJABBBZ0.500$$JACBBZ0.650*)

APP Key	MRC	Mode Code	Requirements

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZY J FOURTH STEP LENGTH AND LOCATION

Definition: THE LENGTH AND LOCATION OF THE FOURTH STEP.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZYJAABBZ0.625*; BYZYJLABBZ15.8*; BYZYJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BYZZ J SECOND END GROOVE WIDTH AND LOCATION

Definition: THE WIDTH AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BYZZJAABBZ0.625*; BYZZJLABBZ15.8*; BYZZJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BZBB J SECOND END DISTANCE FROM GROOVE TO

APP Key	MRC	Mode Code	Requirements

END AND LOCATION

Definition: THE LENGTH FROM THE GROOVE TO THE END AND ITS LOCATION ON THE SECOND END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BBZBJAABBZ0.625*; BBZBJLABBZ15.8*; BBZBJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

BZBC	J	SECOND END GROOVE DIAMETER AND LOCATION

Definition: THE DIAMETER AND LOCATION OF THE SECOND END GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., BZBCJAABBZ2.625*; BZBCJLABBZ75.8*; BZBCJABBBZ2.500$$JACBBZ2.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYR J HUB END OUTSIDE DIAMETER AND LOCATION

Definition: THE OUTSIDE DIAMETER AND LOCATION OF THE HUB END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYRJAABBZ0.625*; CLYRJLABBZ15.8*; CLYRJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL*

CLYS J DISTANCE FROM OUTSIDE FLANGE/RIM TO HUB END AND LOCATION

Definition: THE DISTANCE FROM THE OUTSIDE FLANGE OR RIM TO THE HUB END, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CLYSJAABBZ0.625*; CLYSJLABBZ15.8*; CLYSJABBBZ0.500$$JACBBZ0.650*)

See Appendix B, Reference Drawing Group B, for dimension location.

See Appendix C, Table 1, to determine end of hub.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

NOTE FOR MRCS BYFB AND BYFW: IF REPLY CODE AAG AND/OR AAH IS ENTERED FOR MRC BYDZ, ENTER THE APPLICABLE GROOVED/STEPPED HUB DIMENSIONS AND REPLY TO MRCS BYFB AND BYFW. IF REPLY CODE AAJ IS ENTERED FOR MRC BYDZ, REPLY TO MRC BYFW.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

BYFB D GROOVE/STEP LOCATION

Definition: INDICATES THE LOCATION OF THE GROOVE OR STEP ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFBDBBZ*; BYFBDBBZ$DBCA*)

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BYFB)

BYFW D HUB EXTERNAL KEYWAY

Definition: AN INDICATION OF WHETHER OR NOT A HUB EXTERNAL KEYWAY IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS BYFX, ABLL, ABRV, AND BYFY: REPLY TO MRCS BYFX, ABLL, AND ABRV OR BYFY, IF REPLY CODE B IS ENTERED FOR MRC BYFW.

ALL* (See Note Above)

BYFX D EXTERNAL KEYWAY LOCATION

Definition: INDICATES THE LOCATION OF THE EXTERNAL KEYWAY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFXDBCA*; BYFXDBBZ$DBCA*)

APP Key	MRC	Mode Code	Requirements

Refer to Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BYFX)

ABLL J EXTERNAL KEYWAY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN EXTERNAL KEYWAY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABLLJAA0.207*; ABLLJLA5.2*; ABLLJAB0.200$$JAC0.214*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFX)

ABRV J KEYWAY DEPTH

Definition: A MEASUREMENT FROM THE TOP SURFACE TO THE BOTTOM OF THE KEYWAY GROOVE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRVJAA0.166*; ABRVJLA4.2*; ABRVJAB0.160$$JAC0.172*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFX)

BYFY J KEYWAY DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR KEYWAY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYFYJAA0.250*; BYFYJLA6.3*; BYFYJAB0.250$$JAC0.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BSNP D SECURING METHOD

Definition: THE MEANS BY WHICH THE ITEM IS SECURED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BSNPDAAG*; BSNPDABZ$DABD*; BSNPDAAF$$DBFG*)

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS BYFF, AHYF, ABUJ, THSD, CQJX, CTTC, CQQR, AAJE, AAJF, BFYT, ABKG, AGGP, AND BYFG: IF A REPLY IS ENTERED FOR MRC BSNP AND HUBS ARE INCLUDED ON THE ITEM, REPLY TO MRC BYFF. IF REPLY CODE AHF IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, BFYT, ABUJ, OR THSD. IF MRC THSD IS SELECTED REPLY TO MRCS CQJX, AAJF, AND EITHER CQQR, OR AAJE. IF REPLY CODE BFY IS ENTERED FOR MRC BSNP, REPLY TO MRCS AHYF, BFYT, AND AGGP, OR MRC BYFG, IF HOLE IS TAPERED. IF REPLY CODE AHF OR BFY IS ENTERED FOR MRC BSNP AND HOLES ARE LOCATED ON PULLEY SURFACE, REPLY TO MRC ABKG.

ALL* (See Note Above)

BYFF D SECURING LOCATION

Definition: INDICATES THE LOCATION FOR SECURING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFFDBBZ*; BYFFDBBZ$DBCA*)

See Appendix C, Table 1, to determine end of hub.

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

ALL* (See Note Preceding MRC BYFF)

AHYF A SECURING HOLE QUANTITY

Definition: THE NUMBER OF HOLES PROVIDED FOR SECURING THE ITEM IN A FIXED POSITION.

Reply Instructions: Enter the quantity. (e.g., AHYFA4*; AHYFA2$A4*)

ALL* (See Note Preceding MRC BYFF)

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the thread size.

APP Key	MRC	Mode Code	Requirements

(e.g., ABUJA3/8-16*;

ABUJA1/4-20$$A3/8-16*)

ALL* (See Note Preceding MRC BYFF)

THSD D THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., THSDDSS*)

REPLY CODE	REPLY (AH06)
SM	ISO M
SS	ISO S
EM	M
MJ	MJ
SJ	SI
SK	SI-M

ALL* (See Note Preceding MRC BYFF)

CQJX J NOMINAL THREAD SIZE

Definition: A DESIGNATION THAT IS USED FOR THE PURPOSE OF GENERAL IDENTIFICATION OF THE THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CQJXJA0.250*; CQJXJL6.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC BYFF)

CTTC J THREAD TOLERANCE CLASS

Definition: A NUMERIC-ALPHA DESIGNATION INDICATING ESTABLISHED PITCH AND CREST DIAMETER TOLERANCE POSITION AND GRADE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from table below and the designator. (e.g., CTTCJNTE4H6H*)

When the pitch and crest diameter tolerances are identical, i.e, M6 X1-6H6H, enter the designation once. (e.g., CTTCJNTE6H*)

REPLY CODE	REPLY (AN73)
EXT	EXTERNAL
NTE	INTERNAL

ALL* (See Note Preceding MRC BYFF)

CQQR B THREAD PITCH IN MILLIMETERS

Definition: A MEASUREMENT OF DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT THREADS MEASURED PARALLEL TO THE THREAD AXIS, EXPRESSED IN MILLIMETERS.

Reply Instructions: Enter the numeric value. (e.g., CQQRB0.75*)

ALL* (See Note Preceding MRC BYFF)

AAJE J THREAD PITCH DIAMETERS

Definition: THE MINIMUM AND MAXIMUM PITCH DIAMETER LIMITS OF A STRAIGHT SCREW THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below and the numeric values separated by a slash. Precede all values with a P. (e.g., AAJEJAP0.2157/P0.2195*; AAJEJLP5.294/P5.350*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC BYFF)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDAAG*)

REPLY CODE	REPLY (AA38)
AAG	LEFT-HAND
AAL	RIGHT-HAND

ALL* (See Note Preceding MRC BYFF)

BFYT G HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BFYTGON SPROCKET FACE*)

ALL* (See Note Preceding MRC BYFF)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA3.565*; ABKGJLA14.3*; ABKGJAB3.560$$JAC3.570*; ABKGJAA3.500$$JAA4.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

AGGP J DRILLED HOLE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A DRILLED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGGPJAA0.250*; AGGPJLA6.3*; AGGPJAB0.125$$JAC0.375*; AGGPJAA0.250$$JAA0.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC BYFF)

BYFG A TAPERED HOLE SIZE

Definition: DESIGNATES THE STANDARD SIZE DESIGNATION OF THE TAPERED HOLE.

Reply Instructions: Enter the size. (e.g., BYFGANUMBER 4*)

ALL*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNGTWO SETSCREWS*; AKYNGTWO SETSCREWS; ONE ZERK FITTING*)

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04427*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*: MATLDAL0000$$DST0000*; MATLDAL0000$DST0000*)

ALL*			
	SURF	D	SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDCHC000*; SURFDCR0000$$DCUN000*; SURFDCHC000$DCUN000*)

ALL*			
	BZQQ	J	BREAKING STRENGTH

Definition: THE MEASURED LOAD REQUIRED TO BREAK THE ITEM IN TENSION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZQQJPA100.0*; BZQQJXA34.3*; BZQQJPB90.0$$JPC110.0*)

Table 1

REPLY CODE	REPLY (AB18)
X	NEWTONS

APP Key	MRC	Mode Code	Requirements
		P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AASH J MINIMUM TENSILE STRENGTH

Definition: THE MAXIMUM LOAD IN TENSION APPLIED IN A LONGITUDINAL DIRECTION, PER UNIT OF CROSS-SECTIONAL AREA, THAT THE MATERIAL CAN WITHSTAND WITHOUT RUPTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AASHJP16000.000*; AASHJZ7257.6*)

REPLY CODE	REPLY (AB18)
Z	KILOGRAMS
S	MEGAPASCALS
P	POUNDS

ALL

BYGD J CHAIN PITCH

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE CHAIN LINK PINS MEASURED ALONG THE PITCH LINE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYGDJAA1.086*; BYGDJLA27.5*; BYGDJAB1.080$$JAC1.092*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL

BYGL D ATTACHMENT DEVICE TYPE

Definition: INDICATES THE TYPE OF DEVICE USED FOR FASTENING AND/OR POSITIONING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYGLDACA*)

For items with multiple or optional types, use AND/OR coding entering replies in reply table sequence. (e.g., BYGLDACA$$DACB*; BYGLDACA$DACB*)

REPLY CODE	REPLY (AJ74)
ACA	CONNECTING PIN ASSEMBLY
ACB	COTTER PIN
ACC	KEEPER
ACD	LOCK PIN
ACE	RETAINING RING
ACF	RIVET
ACG	SPRING CLIP

ALL

BZRC A STRAND QUANTITY

Definition: THE NUMBER OF STRANDS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BZRCA3*; BZRCA3$A5*)

ALL

BYFZ D BLOCK CONSTRUCTION

Definition: THE CONSTRUCTION OF THE BLOCK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYFZDAAQ*; BYFZDAAM$DAAQ*)

REPLY CODE	REPLY (AL59)
AAM	LAMINATED

APP Key	MRC	Mode Code	Requirements
		AAQ	SOLID

ALL

BKDY D BLOCK SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE BLOCK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BKDYDZQ*; BKDYDMJ$DZQ*)

REPLY CODE	REPLY (AD07)
ZQ	B
MJ	FIGURE 8

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA0.975*; ABMKJLA24.7*; ABMKJAB0.970$$JAC0.980*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYLN J BLOCK WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A BLOCK, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLNJAA0.500*; AYLNJLA12.7*; AYLNJAB0.250$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BYGG J BLOCK HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF A BLOCK, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYGGJAA0.325*; BYGGJLA8.2*; BYGGJAB0.250$$JAC0.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04487*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$$DST0000*; MATLDAL0000$DST0000*)

ALL*			
	SURF	D	SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDCHC000*; SURFDCHC000$$DCUN000*; SURFDCHC000$DCUN000*)

EA			
	ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDANN*; ALBYDANL$DANN*)

REPLY CODE	REPLY (AH21)
ANL	CONVEYING
ANM	POWER TRANSMISSION
ANN	POWER TRANSMISSION-CONVEYING

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC BYGB: REPLY TO THIS MRC, IF REPLY CODE ANL IS ENTERED FOR MRC ALBY.

ALL* (See Note Above)

BYGB D ROLLER TYPE

Definition: INDICATES THE TYPE OF ROLLER(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYGBDDFX*; BYGBDASG$DDFX*)

REPLY CODE	REPLY (AK54)
DFX	LARGE
ASG	STANDARD

EA

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDDDY*; APGFDDDY$DDEF*)

REPLY CODE	REPLY (AK54)
DDY	DOUBLE PITCH
DEF	SINGLE PITCH

ED*, EE*

ABKH J BUSHING DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BUSHING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKHJAA0.625*; ABKHJLA15.8*; ABKHJAB0.500$$JAC0.650*)

APP Key	MRC	Mode Code	Requirements

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABVV J PIN DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIN, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABVVJAA0.625*; ABVVJLA15.8*; ABVVJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AGXD J ROLLER OUTSIDE DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A ROLLER, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGXDJAA0.625*; AGXDJLA15.8*; AGXDJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AWSP J LINK PLATE WIDTH AT PIN END

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE LINK PLATE AT THE PIN END, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AWSPJAA0.625*; AWSPJLA15.8*; AWSPJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

BZBD J PITCH DISTANCE

Definition: THE DISTANCE BETWEEN CORRESPONDING POINTS ON TWO ADJACENT TEETH OR FLUTES.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBDJAA0.625*; BZBDJLA15.8*; BZBDJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BZBF J DISTANCE BETWEEN ROLLER LINK PLATES

Definition: A MEASUREMENT OF THE DISTANCE BETWEEN THE ROLLER LINK PLATES.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBFJAA0.625*; BZBFJLA15.8*; BZBFJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BZBJ J LINK PLATE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE LINK PLATE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBJJAA0.625*; BZBJJLA15.8*; BZBJJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BZBK J OFFSET LINK PLATE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN OFFSET LINK, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBKJAA0.625*; BZBKJLA15.8*; BZBKJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

NOTE FOR MRC BZBL: FOR MULTIPLE STRAND ITEMS, GIVE DIMENSIONS OF SINGLE STRAND LINK.

ALL*

BZBL J DISTANCE BETWEEN FLAT LINK PLATES

Definition: A MEASUREMENT OF THE DISTANCE BETWEEN THE FLAT LINK PLATES.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBLJAA0.625*; BZBLJLA15.8*; BZBLJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BZBM J TAPERED OFFSET LINK PLATE WIDTH AT BUSHING END

APP Key	MRC	Mode Code	Requirements

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE TAPERED OFFSET LINK PLATE AT THE BUSHING END, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZBMJAA0.625*; BZBMFJLA15.8*; BZBMJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BZGN J TAPERED OFFSET LINK PLATE WIDTH AT PIN END

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE TAPERED OFFSET LINK AT THE PIN END, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZGNJAA0.625*; BZGNJLA15.8*; BZGNJAB0.500$$JAC0.650*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

EA*

BZQQ J BREAKING STRENGTH

Definition: THE MEASURED LOAD REQUIRED TO BREAK THE ITEM IN TENSION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BZQQJPA100.0*; BZQQJXA34.3*; BZQQJPB90.0$$JPC110.0*)

Table 1

REPLY CODE	REPLY (AB18)
X	NEWTONS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EA*

AASH J MINIMUM TENSILE STRENGTH

Definition: THE MAXIMUM LOAD IN TENSION APPLIED IN A LONGITUDINAL DIRECTION, PER UNIT OF CROSS-SECTIONAL AREA, THAT THE MATERIAL CAN WITHSTAND WITHOUT RUPTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AASHJP12000.000*; AASHJZ5443.2*)

REPLY CODE	REPLY (AB18)
Z	KILOGRAMS
S	MEGAPASCALS
P	POUNDS

EA

APP Key	MRC	Mode Code	Requirements
	BZRC	A	STRAND QUANTITY

Definition: THE NUMBER OF STRANDS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BZRCA3*; BZRCA2$A3*)

EA

BYGL	D	ATTACHMENT DEVICE TYPE

Definition: INDICATES THE TYPE OF DEVICE USED FOR FASTENING AND/OR POSITIONING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYGLDACB*; BYGLDACB$DACK*)

REPLY CODE	REPLY (AJ74)
ACB	COTTER PIN
ACJ	PRESS FIT
ACF	RIVET
ACK	SNAP FASTENER
ACG	SPRING CLIP

ED

SHPE	D	SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDZQ*; SHPEDBT$DMJ*)

REPLY CODE	REPLY (AD07)
ZQ	B
MJ	FIGURE 8
BT	OVAL
BK	STRAIGHT

ED, EE

BYGD	J	CHAIN PITCH

APP Key	MRC	Mode Code	Requirements

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE CHAIN LINK PINS MEASURED ALONG THE PITCH LINE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYGDJAA0.750*; BYGDJLA19.0*; BYGDJAB0.500$$JAC1.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ED

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.067*; ABNMJLA1.7*; ABNMJAB0.060$$JAC0.074*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

EE

BYYQ J PIN DIAMETER FOR WHICH DESIGNED

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE PIN FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYYQJAA0.102*; BYYQJLA2.5*; BYYQJAB0.100$$JAC0.104*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03999*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$$DST0000*; MATLDAL0000$DST0000*)

ALL			
	BYYR	D	PIN TYPE

Definition: INDICATES THE TYPE OF PIN PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYYRDDJG*; BYYRDDJD$DDJE*)

REPLY CODE	REPLY (AK54)
DJD	ONE SECTION CORRUGATED
DJE	SMOOTH
DJF	TWISTED
DJG	TWO SECTION CORRUGATED ROCKER

ALL			
	ABMZ	J	DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.125*; ABMZJLA3.1*; ABMZJAB0.120$$JAC0.130*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA7.500*; ABRYJLA190.5*; ABRYJAB7.375$$JAC7.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BMKY D TREATMENT TYPE

Definition: INDICATES THE TYPE OF TREATMENT PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BMKYDCK*; BMKYDCJ$DCK*)

REPLY CODE	REPLY (AK89)
CJ	LUBRICATED
CK	WATERPROOF

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13568*)

GA, GC

	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDAL0000$$DST0000*; MATLDAL0000$DST0000*)

GA

	AKGL	D	BELT COUPLING TYPE

Definition: INDICATES THE TYPE OF MECHANICAL COUPLING USED TO SECURE THE ENDS OF BELTING TOGETHER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKGLDAJ*; AKGLDAH$DAJ*)

REPLY CODE	REPLY (AG35)
AH	TOOTHED METAL
AJ	WIRE HOOK

NOTE FOR MRCS BWGL, BYYT, BYYW, AND NMBR: IF REPLY CODE AH IS ENTERED FOR MRC AKGL, REPLY TO MRCS BWGL AND BYYT. IF REPLY CODE AJ IS ENTERED FOR MRC AKGL, REPLY TO MRCS BYYT, BYYW, AND NMBR.

GA* (See Note Above)

	BWGL	J	SECTION LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SECTION, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BWGLJAA5.125*; BWGLJLA130.1*; BWGLJAB5.000$$JAC5.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA* (See Note Preceding MRC BWGL)

BYYT J BELT THICKNESS FOR WHICH DESIGNED

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE BELT FOR WHICH THE ITEM IS DESIGNED, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYYTJAA0.156*; BYYTJLA3.9*; BYYTJAB0.150$$JAC0.162*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA* (See Note Preceding MRC BWGL)

APP Key	MRC	Mode Code	Requirements

BYYW J WIRE HOOK SERIES LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SERIES OF WIRE HOOKS, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BYYWJAA7.500*; BYYWJLA189.8*; BYYWJAB7.250$$JAC7.750*)

If series are of unequal length, give length of the longer series first. (e.g., BYYWJAA7.500$$JAA6.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA* (See Note Preceding MRC BWGL)

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA82*)

Quantity will include total of both series of hooks forming the item.

GA*

BYYX D HINGE PIN TYPE

Definition: INDICATES THE TYPE OF HINGE PIN PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYYXDBLE*; BYYXDBLE$DDJJ*)

REPLY CODE	REPLY (AK54)
BLE	COILED SPRING

APP Key	MRC	Mode Code	Requirements
		DJJ	CORRUGATED WIRE
		DJK	SECTIONAL STEEL ROCKER
		DJL	SOLID STEEL
		DJM	TWISTED RAWHIDE

GB*

AKFX D TANNING PROCESS

Definition: THE PROCESS BY WHICH HIDES ARE TURNED INTO LEATHER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKFXDAF*)

REPLY CODE	REPLY (AG36)
AF	ALUM
DJ	ALUM-VEGETABLE
AG	CHROME
DK	INDIAN
DL	LATIGO
AB	VEGETABLE

GC

AHHS A BOLT QUANTITY

Definition: THE NUMBER OF BOLTS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AHHSA6*; AHHSA5$A6*)

GB

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.500*; ABGLJLA12.7*; ABGLJAB0.250$$JAC0.750*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GC

BYYS J ACCOMMODATED BELT THICKNESS RANGE

Definition: THE MINIMUM AND MAXIMUM MEASUREMENT OF THE SMALLEST DIMENSION OF AN ACCOMMODATED BELT, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value separated by a slash. Precede all values with a P. (e.g., BYYSJAP0.250/P0.375*; BYYSJLP6.3/P9.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF1.021*; AFJKJE0.2*)

REPLY CODE	REPLY (AD42)
F	CUBIC FEET
E	CUBIC METERS

ALL

PRMT	D	PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT	J	PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG41)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000INTERNAL SURFACES$JAUA000TERMINALS*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
	Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.		
	Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		
	Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)		
ALL			
	AGAV	G	END ITEM IDENTIFICATION
	Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.		
	Reply Instructions: Enter the reply in clear text.		
	(e.g., AGAVG3930-00-000-0000*;		
	AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)		

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Reply Tables

Table 1 - MATERIALS 192
Table 2 - SURFACE TREATMENTS 206
Table 3 - SECURING METHODS 207
Table 4 - BELT-CHAIN-FILM SIZE 208
Table 5 - NONDEFINITIVE SPEC/STD DATA 208

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL1371	ALUMINUM ALLOY, ALLOY 2024, TEMPER T4, ALUMINUM ASSOCIATION
AL0699	ALUMINUM ALLOY, AMS 4015
AL0724	ALUMINUM ALLOY, AMS 4037
AL0530	ALUMINUM ALLOY, AMS 4214
AL1204	ALUMINUM ALLOY, EK352, EASTMAN KODAK CO
AL1941	ALUMINUM ALLOY, MIL-A-10936 - Canceled
AL1952	ALUMINUM ALLOY, MIL-A-15153 - Canceled
AL1950	ALUMINUM ALLOY, MIL-A-17129, CLASS 3 - Canceled
AL1987	ALUMINUM ALLOY, MIL-A-21180, CLASS 1, GRADE D
AL1988	ALUMINUM ALLOY, MIL-A-21180, CLASS 2, GRADE D
AL1989	ALUMINUM ALLOY, MIL-A-21180, CLASS 3, GRADE D
AL0198	ALUMINUM ALLOY, QQ-A-200/2, ALLOY 2014, T6511
AL0202	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T4
AL0203	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T42
AL0201	ALUMINUM ALLOY, QQ-A-200/3, ALLOY 2024, T3511
AL0868	ALUMINUM ALLOY, QQ-A-200/3, T4
AL0036	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061
AL0489	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061, T4
AL0490	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6061, T6
AL0220	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6062, T4
AL0221	ALUMINUM ALLOY, QQ-A-200/8, ALLOY 6062, T6
AL0245	ALUMINUM ALLOY, QQ-A-200/11, ALLOY 7075, T73
AL1498	ALUMINUM ALLOY, QQ-A-200/11, T6
AL1756	ALUMINUM ALLOY, QQ-A-200/11, T6511
AL0885	ALUMINUM ALLOY, QQ-A-225
AL0269	ALUMINUM ALLOY, QQ-A-225/3, ALLOY 2011, T3
AL1211	ALUMINUM ALLOY, QQ-A-225/3, T3
AL0273	ALUMINUM ALLOY, QQ-A-225/4, ALLOY 2014, T6
AL0274	ALUMINUM ALLOY, QQ-A-225/4, ALLOY 2014, T651
AL0276	ALUMINUM ALLOY, QQ-A-225/5, ALLOY 2017, T4
AL0130	ALUMINUM ALLOY, QQ-A-225/6
AL0280	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T4
AL0279	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, T351
AL0278	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024, 0
AL0047	ALUMINUM ALLOY, QQ-A-225/6, ALLOY 2024
AL0941	ALUMINUM ALLOY, QQ-A-225/6, T4
AL0942	ALUMINUM ALLOY, QQ-A-225/6, T6
AL0943	ALUMINUM ALLOY, QQ-A-225/6, T351
AL1835	ALUMINUM ALLOY, QQ-A-225/6, 0
AL0132	ALUMINUM ALLOY, QQ-A-225/8
AL0290	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T4

REPLY CODE	REPLY (AD09)
AL0293	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T6
AL0294	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T651
AL1214	ALUMINUM ALLOY, QQ-A-225/8, T651
AL0296	ALUMINUM ALLOY, QQ-A-225/9, ALLOY 7075, T6
AL0297	ALUMINUM ALLOY, QQ-A-225/9, ALLOY 7075, T651
AL1715	ALUMINUM ALLOY, QQ-A-225/9, ALLOY 7075, T7351
AL0962	ALUMINUM ALLOY, QQ-A-225/9, T651
AL1661	ALUMINUM ALLOY, QQ-A-225/9, T7351
AL1587	ALUMINUM ALLOY, QQ-A-250, COND T
AL0136	ALUMINUM ALLOY, QQ-A-250/4
AL0334	ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T4
AL0340	ALUMINUM ALLOY, QQ-A-250/4, ALLOY 2024, T351
AL0387	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T6
AL0390	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T651
AL0394	ALUMINUM ALLOY, QQ-A-250/12, ALLOY 7075, T651
AL0540	ALUMINUM ALLOY, QQ-A-261 - Canceled
AL0541	ALUMINUM ALLOY, QQ-A-266 - Canceled
AL1042	ALUMINUM ALLOY, QQ-A-266, T6 - Canceled
AL0640	ALUMINUM ALLOY, QQ-A-267 - Canceled
AL0900	ALUMINUM ALLOY, QQ-A-267, T4 - Canceled
AL1948	ALUMINUM ALLOY, QQ-A-267, T42 - Canceled
AL1568	ALUMINUM ALLOY, QQ-A-268, ALLOY 2024, T4 - Canceled
AL0542	ALUMINUM ALLOY, QQ-A-268 - Canceled
AL1945	ALUMINUM ALLOY, QQ-A-268, COND T - Canceled
AL0938	ALUMINUM ALLOY, QQ-A-268, T4 - Canceled
AL1043	ALUMINUM ALLOY, QQ-A-270, COMP 6061, T6 - Canceled
AL1544	ALUMINUM ALLOY, QQ-A-270, T-6 - Canceled
AL1938	ALUMINUM ALLOY, QQ-A-282, TYPE 1 - Canceled
AL0902	ALUMINUM ALLOY, QQ-A-282, T6 - Canceled
AL0906	ALUMINUM ALLOY, QQ-A-283, T6 - Canceled
AL1725	ALUMINUM ALLOY, QQ-A-325, ALLOY 6061, T6 - Canceled
AL1021	ALUMINUM ALLOY, QQ-A-327, T4 - Canceled
AL0549	ALUMINUM ALLOY, QQ-A-351 - Canceled
AL0988	ALUMINUM ALLOY, QQ-A-351, T4 - Canceled
AL0552	ALUMINUM ALLOY, QQ-A-354, COND T - Canceled
AL1647	ALUMINUM ALLOY, QQ-A-354, T4 - Canceled
AL0551	ALUMINUM ALLOY, QQ-A-355 - Canceled
AL0961	ALUMINUM ALLOY, QQ-A-355, T3 - Canceled
AL0533	ALUMINUM ALLOY, QQ-A-355, T4 - Canceled
AL0800	ALUMINUM ALLOY, QQ-A-362, T4 - Canceled
AL1821	ALUMINUM ALLOY, QQ-A-365, COMP A, T3 - Canceled
AL0748	ALUMINUM ALLOY, QQ-A-367, CLASS 5
AL1558	ALUMINUM ALLOY, QQ-A-367, T6
AL1949	ALUMINUM ALLOY, QQ-A-591, COMP 1
AL1461	ALUMINUM ALLOY, QQ-A-591, COMP 2
AL1380	ALUMINUM ALLOY, QQ-A-596, ALLOY 356, T6
AL0603	ALUMINUM ALLOY, QQ-A-596, CLASS 3
AL0608	ALUMINUM ALLOY, QQ-A-596, CLASS 8

REPLY CODE	REPLY (AD09)
AL0610	ALUMINUM ALLOY, QQ-A-596, CLASS 10
AL0611	ALUMINUM ALLOY, QQ-A-596, CLASS 11
AL1492	ALUMINUM ALLOY, QQ-A-596, T65
AL0593	ALUMINUM ALLOY, QQ-A-601
AL1167	ALUMINUM ALLOY, QQ-A-601, ALLOY 355, T6
AL1937	ALUMINUM ALLOY, QQ-A-601, ALLOY 356
AL1377	ALUMINUM ALLOY, QQ-A-601, ALLOY 356, T6
AL1953	ALUMINUM ALLOY, QQ-A-601, CLASS 1
AL1473	ALUMINUM ALLOY, QQ-A-601, CLASS 3M
AL0157	ALUMINUM ALLOY, QQ-A-601, CLASS 3M, T6
AL1983	ALUMINUM ALLOY, QQ-A-601, CLASS 10M
AL1771	ALUMINUM ALLOY, QQ-A-601, CLASS 10M, T6
AL1936	ALUMINUM ALLOY, QQ-A-601, COMP 2
AL0652	ALUMINUM ALLOY, QQ-A-601, COMP 3
AL1652	ALUMINUM ALLOY, QQ-A-601, COMP 3, T6
AL1478	ALUMINUM ALLOY, QQ-A-601, COMP 8
AL2030	ALUMINUM ALLOY, QQ-A-601, COMP 10
AL1939	ALUMINUM ALLOY, QQ-A-601, COMP 16, T4
AL0462	ALUMINUM ALLOY, QQ-A-601, COMP 43, GRADE F
AL0174	ALUMINUM ALLOY, QQ-A-601, T6
AL1944	ALUMINUM ALLOY, SAE 24S, T4 - Canceled
AL1990	ALUMINUM ALLOY, SAE 322, T71
AL1951	ALUMINUM ALLOY, SAE 324, T4
AL1235	ALUMINUM ALLOY, 11S-T3, ALUMINUM CO OF AMERICA
AL1940	ALUMINUM ALLOY, 24ST, ALUMINUM CO OF AMERICA
AL1946	ALUMINUM ALLOY, 65, BRITISH STANDARDS INST
ALA000	ALUMINUM BRONZE
AL1943	ALUMINUM, N, 46-A-9, 24ST
AL0642	ALUMINUM, SAE 26
AL1947	ALUMINUM, SAE 195, T6
AL1942	ALUMINUM, 3-5T61, ALUMINUM CO OF AMERICA
A	ANY ACCEPTABLE
AAAAAA	ANY ACCEPTABLE (use with H and J Mode Codes only)
BR0000	BRASS
BR0708	BRASS, ASTM A48-48, CLASS 50
BR0044	BRASS, MIL-B-994, COMP A - Canceled
BR0530	BRASS, MIL-B-994, COMP A, 1/2 HARD - Canceled
BR0386	BRASS, MIL-C-895, 1/2 HARD-Canceled
BR0707	BRASS, N, 46-B-10, GRADE A
BRJ000	BRASS, NAVAL
BR0342	BRASS, QQ-B-611 - Canceled
BR0229	BRASS, QQ-B-611, COMP B, 1/2 H - Canceled
BR0048	BRASS, QQ-B-626
BR0518	BRASS, QQ-B-626, COMP 3, 1/2 H
BR0735	BRASS, QQ-B-626, COMP 3
BR0038	BRASS, QQ-B-626, COMP 11
BR0041	BRASS, QQ-B-626, COMP 22, 1/2 H
BR0018	BRASS, QQ-B-626, COMP 22

REPLY CODE	REPLY (AD09)
BR0578	BRASS, QQ-B-626, COMP 360, 1/2 H
BR0370	BRASS, QQ-B-636, CLASS A - Canceled
BR0737	BRASS, QQ-B-636, CLASS A, 1/2 HARD - Canceled
BR0585	BRASS, QQ-B-636, CLASS B - Canceled
BR0706	BRASS, QQ-B-636, COMP A, 1/2 H - Canceled
BR0069	BRASS, QQ-B-636, COND 1/2 H, CLASS A - Canceled
BR0705	BRASS, SAE 120
BR0734	BRASS, WW-T-791, GRADE 1, TYPE A
BN0000	BRONZE
BN0148	BRONZE, MIL-B-5687, TYPE 1, COMP A
BN0515	BRONZE, MIL-B-5687, TYPE 2, COMP A
BN0181	BRONZE, MIL-B-6946 - Canceled
BN0024	BRONZE, MIL-B-16261, GRADE 2 - Canceled
BN0238	BRONZE, MIL-B-16444, GRADE A
BN0514	BRONZE, MIL-B-16522, CLASS 1 - Canceled
BN0165	BRONZE, MIL-B-16540, GRADE B - Canceled
BN0509	BRONZE, QQ-B-671, TYPE 1, CLASS 1 - Canceled
BN0174	BRONZE, QQ-B-691, COMP 6 - Canceled
BN0499	BRONZE, QQ-B-691, COMP 8 - Canceled
BN0134	BRONZE, SAE 65
CA0000	CARBON
ALF000	CAST ALUMINUM
	Composition, Fiber (use Reply Code FBAAQ0)
CU0000	COPPER
CK0000	COPPER ALLOY
CK0717	COPPER ALLOY, N, 46-B-28
CK0126	COPPER ALLOY, QQ-C-593 - Canceled
CU0124	COPPER, QQ-C-465, ALLOY 642
CUH000	COPPER-SILICON ALLOY
FA0000	FABRIC
FB0000	FIBER
FBAAQ0	FIBER, COMPOSITION
MEF000	GUNMETAL
ME0005	GUNMETAL, MIL-M-16576, GRADE A - Canceled
FE0000	IRON
FE0057	IRON, ASTM A47
FE0220	IRON, ASTM A47-52
FE0171	IRON, ASTM A48, CLASS 30
FE0209	IRON, ASTM A48, GRADE 30
FE0226	IRON, ASTM A48-3G, CLASS 35
FE0227	IRON, ASTM A48-41, CLASS 25
FE0225	IRON, ASTM A48-46, CLASS 30
FE0210	IRON, ASTM A48-48
FE0228	IRON, ASTM A48-48, CLASS 30
FE0230	IRON, ASTM A48-49T
FEA000	IRON, CAST
FE0001	IRON, CAST, QQ-I-652, CLASS 20
FE0002	IRON, CAST, QQ-I-652, CLASS 25

REPLY CODE	REPLY (AD09)
FE0003	IRON, CAST, QQ-I-652, CLASS 30
FE0004	IRON, CAST, QQ-I-652, CLASS 35
FE0005	IRON, CAST, QQ-I-652, CLASS 40
FE0030	IRON, CAST, SAE G3500
FE0127	IRON, CAST, SAE 110
FE0237	IRON, CLASS GE, MECHANITE CORP
FEF000	IRON, DUCTILE
FE0215	IRON, GM13M, GENERAL MOTORS CORP
FE0222	IRON, GM14M, GENERAL MOTORS CORP
FEY000	IRON, GRAY
FEC000	IRON, MALLEABLE
FE0075	IRON, MALLEABLE, QQ-I-666, GRADE A
FE0147	IRON, MIL-T-11444, CLASS 8
FE0179	IRON, MIL-T-11466, CLASS D4018
FE0239	IRON, MIL-T-11466, CLASS 1
FE0208	IRON, MIL-T-11466, CLASS 4
FE0074	IRON, MIL-T-11466, CLASS 5
FE0216	IRON, N, 46-I-5
FE0213	IRON, N, 46-I-5, CLASS A
FE0212	IRON, N, 46-I-5, CLASS B
FE0238	IRON, N, 461-I-5C, CLASS B
FE0080	IRON, QQ-I-652–Canceled
FE0132	IRON, QQ-I-666, GRADE 1
FE0219	IRON, QQ-I-666, GRADE 1G
FE0160	IRON, QQ-I-666, GRADE 2
FE0224	IRON, QQ-I-666, TYPE A
FE0229	IRON, SAE J431A, GRADE G 4000B
FE0170	IRON, SAE 111
FE0236	IRON, SAE 114
FE0218	IRON, SAE 125
FE0242	IRON, TYPE GM, MEEHANITE METAL CORP
FE0214	IRON, 2, THE BUDA CO
FE0232	IRON, 41-002-00, CUMMINS ENGINE CO
FE0211	IRON, 102, GRADE 2, NATIONAL SUPPLY CO
FE0217	IRON, 102, SUPERIOR ENGINE CO
FE0221	IRON, 103, THEW SHOVEL CO
PBD000	LEAD ALLOY
LRT000	LEATHER, RAWHIDE
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
MG0067	MAGNESIUM ALLOY, QQ-M-56
MN0000	MANGANESE
MNA000	MANGANESE BRONZE
NF0000	NICKEL
NC0000	NICKEL COPPER ALLOY
NC0074	NICKEL COPPER ALLOY, QQ-N-281, CLASS A, COLD DRAWN
NCA000	NICKEL COPPER ALUMINUM ALLOY
NC0033	NICKEL COPPER ALUMINUM ALLOY, QQ-N-286, CLASS A

REPLY CODE	REPLY (AD09)
NF0026	NICKEL-IRON ALLOY, MIL-N-14411, ANNEALED
	Nylon (use Reply Code PL0000)
PZ0000	PHOSPHOR BRONZE
PZ0033	PHOSPHOR BRONZE, QQ-P-330, COMP D - Canceled
PZ0099	PHOSPHOR BRONZE, QQ-P-330, COMP D, 1/2 HARD - Canceled
PC0000	PLASTIC
PCCE00	PLASTIC, ARC RESISTANT
PC1412	PLASTIC, FM10001, THE POLYMER CORP
PC1509	PLASTIC, HH-P-256, TYPE 2, GRADE C - Canceled
PC1756	PLASTIC, L-P-392, TYPE 2, CLASS 1
PC2030	PLASTIC, L-P-410
PC0136	PLASTIC, L-P-509, TYPE 2, GRADE C
PCBR00	PLASTIC, LAMINATED
PCCCS0	PLASTIC, LOW-LOSS
PC1082	PLASTIC, MIL-P-14, TYPE CFG
PC1650	PLASTIC, MIL-P-79, TYPE FBE
PC1491	PLASTIC, MIL-P-79, TYPE FBG
PC1431	PLASTIC, MIL-P-15035, TYPE FBE
PC1990	PLASTIC, MIL-P-15035, TYPE FBI
PC1433	PLASTIC, MIL-P-15035, TYPE FBM
PC2041	PLASTIC, MIL-P-15047, COND C
PC1617	PLASTIC, MIL-P-17091, TYPE 1 - Canceled
PC2032	PLASTIC, MIL-P-17901, TYPE 1
PC1440	PLASTIC, MIL-P-19468, GROUP B
PC0170	PLASTIC, MIL-P-20693, TYPE 1
PC2042	PLASTIC, NYLAFIL G10/40, FIBERFIL, INC
PC1340	PLASTIC, NYLATRON, GS, POLYMER CORP
PC2004	PLASTIC, NYLON RESIN, ZYTEL 101, E I DUPONT DE NEMOURS AND CO INC
PCW000	PLASTIC, PHENOLIC
PCAAZ0	PLASTIC, PHENOLIC LAMINATE
PCAAAV	PLASTIC, PHENOLIC LAMINATE, CLOTH BASE
PC1235	PLASTIC, POLYAMIDE, MIL-M-20693, TYPE 1
PC1616	PLASTIC, POLYAMIDE, MIL-P-20693, COMP A, TYPE 2
PCAA00	PLASTIC, POLYCARBONATE
PCAB00	PLASTIC, POLYESTER
PC0315	PLASTIC, POLYTETRAFLUOROETHYLENE, MIL-P-24074, TYPE 1, GRADE B
PC2031	PLASTIC, RGN-30, FORMICA CO INC
PCCCCG	PLASTIC, THERMOSETTING
PL0000	POLYAMIDE NYLON
PL0030	POLYAMIDE NYLON, MIL-M-20693, TYPE 1
RC0000	RUBBER
RC3068	RUBBER, MIL-R-3065, TYPE S, CLASS SC, GRADE 910
RCC000	RUBBER, SYNTHETIC
ST0000	STEEL
ST6405	STEEL, AISI B1112
ST6406	STEEL, AISI B1113
ST8071	STEEL, AISI C1006
ST8092	STEEL, AISI C1008

REPLY CODE	REPLY (AD09)
ST8094	STEEL, AISI C1010
ST8072	STEEL, AISI C1017
ST6004	STEEL, AISI C1018
ST8089	STEEL, AISI C1020
ST8872	STEEL, AISI C1021
ST8098	STEEL, AISI C1022
ST8565	STEEL, AISI C1025
STB997	STEEL, AISI C1028
ST8566	STEEL, AISI C1030
STB064	STEEL, AISI C1033
ST8874	STEEL, AISI C1035
ST8568	STEEL, AISI C1040
ST8569	STEEL, AISI C1042
ST8570	STEEL, AISI C1045
ST8102	STEEL, AISI C1115
ST8103	STEEL, AISI C1117
ST8104	STEEL, AISI C1118
STB182	STEEL, AISI C1119
ST8574	STEEL, AISI C1120
STB996	STEEL, AISI C1140
ST8105	STEEL, AISI C1141
ST8106	STEEL, AISI C1213
STA857	STEEL, AISI 300
ST3844	STEEL, AISI 302
ST6757	STEEL, AISI 303
ST6777	STEEL, AISI 416
ST6335	STEEL, AISI 1010
ST6346	STEEL, AISI 1017
ST6347	STEEL, AISI 1018
ST3846	STEEL, AISI 1019
ST6348	STEEL, AISI 1020
ST6352	STEEL, AISI 1022
ST6354	STEEL, AISI 1025
ST6357	STEEL, AISI 1030
ST6361	STEEL, AISI 1035
ST6366	STEEL, AISI 1040
ST6371	STEEL, AISI 1045
ST8107	STEEL, AISI 1112
ST6408	STEEL, AISI 1117
ST6412	STEEL, AISI 1137
ST6415	STEEL, AISI 1141
ST6420	STEEL, AISI 1212
ST6427	STEEL, AISI 1335
ST6431	STEEL, AISI 1345
ST6444	STEEL, AISI 4118
ST6000	STEEL, AISI 4130
ST6001	STEEL, AISI 4140
ST6452	STEEL, AISI 4142

REPLY CODE	REPLY (AD09)
ST6453	STEEL, AISI 4142H
ST3849	STEEL, AISI 4150
ST6463	STEEL, AISI 4340
ST6464	STEEL, AISI 4340H
ST6469	STEEL, AISI 4615
ST6002	STEEL, AISI 4620
ST6515	STEEL, AISI 8620
ST6818	STEEL, AISI 8650
ST1040	STEEL ALLOY, FED STD 66, AISI OR SAE 8627H
ST2444	STEEL, AMS 5022
STB718	STEEL, AMS 5398
ST1917	STEEL, AMS 5643
ST7532	STEEL, AMS 5659
ST8402	STEEL, AMS 5732
ST1606	STEEL, AMS 5735
ST8249	STEEL, AMS 6294
STB855	STEEL, AN-S-14
STA432	STEEL, ASTM A27
STB808	STEEL, ASTM A27, GRADE N-1
STB483	STEEL, ASTM A27, GRADE 60-30
STB805	STEEL, ASTM A27, GRADE 65-35
ST1675	STEEL, ASTM A27, GRADE 70-36
STB719	STEEL, ASTM A27-46T, CLASS 70-37
STB720	STEEL, ASTM A27-58, GRADE 70-36
STB804	STEEL, ASTM A131
STB809	STEEL, ASTM A148
STB999	STEEL, ASTM A148, GRADE 80-56
STB807	STEEL, ASTM A148, GRADE 90-60
STC001	STEEL, ASTM A148, GRADE 105-85
STB803	STEEL, ASTM A148-55, GRADE 80-50
STB721	STEEL, ASTM A148-65
ST1052	STEEL, CARBON
STL000	STEEL, CAST
STB993	STEEL, CAST, 608, JOY MFG CO, CLAREMONT DIV
STW000	STEEL, CHROMIUM-NICKEL-ALLOY
STG784 #	STEEL COMP 23D5
STB000	STEEL, CORROSION RESISTING
ST1739	STEEL, CRES, 300 SERIES
STB782	STEEL, C1018, FWD CORP
ST1423	STEEL, FED STD 66, AISI/SAE E52100
ST1290	STEEL, FED STD 66, AISI/SAE 1008
ST1930	STEEL, FED STD 66, AISI/SAE 1020
ST8974	STEEL, FED STD 66, COMP C1035
ST6102	STEEL, FED STD 66, COMP 1045
ST2689	STEEL, FED STD 66, TYPE 416
STAD00	STEEL, FORGED
ST3311	STEEL, MIL-S-853, CLASS 7, TYPE A
ST1874	STEEL, MIL-S-866, CLASS 3115

REPLY CODE	REPLY (AD09)
ST2387	STEEL, MIL-S-890
ST2031	STEEL, MIL-S-890, ALLOY NO. 2
ST2111	STEEL, MIL-S-890, ALLOY NO. 3
ST2028	STEEL, MIL-S-890, CLASS B
ST2027	STEEL, MIL-S-890, CLASS BS
ST2029	STEEL, MIL-S-890, CLASS C
ST1894	STEEL, MIL-S-5000
STB813	STEEL, MIL-S-5000, COMP 4340, COND C1
ST2472	STEEL, MIL-S-5000, COND C
ST8222	STEEL, MIL-S-5000, COND C1
ST7046	STEEL, MIL-S-5059, COMP 302, ANNEALED
STB814	STEEL, MIL-S-5204, TYPE 2, GRADE A
ST1804	STEEL, MIL-S-5626
ST2598	STEEL, MIL-S-5626, COMP 4140
ST3161	STEEL, MIL-S-5626, COND D1
ST9560	STEEL, MIL-S-6049, COND C1
ST1896	STEEL, MIL-S-6050
ST8323	STEEL, MIL-S-6050, COND C1
ST1840	STEEL, MIL-S-6758
ST2599	STEEL, MIL-S-6758, COND C
ST2455	STEEL, MIL-S-6758, COND D
ST2904	STEEL, MIL-S-6758, COND E-4
ST2601	STEEL, MIL-S-6758, COND F
ST7033	STEEL, MIL-S-6758, COND F4
ST3810	STEEL, MIL-S-6758, COND N
ST2836	STEEL, MIL-S-7420
ST2423	STEEL, MIL-S-7720
ST3210	STEEL, MIL-S-7720, COMP FM
ST7581	STEEL, MIL-S-7720, COMP FM-S, COND A
ST9877	STEEL, MIL-S-7720, COMP FMS, COND B
ST3225	STEEL, MIL-S-7720, COMP 302, COND A
ST8799	STEEL, MIL-S-7720, COMP 302, PHYSICAL COND A, SURFACE COND D
ST2775	STEEL, MIL-S-7720, COMP 303S, COND A
STB222	STEEL, MIL-S-7720, COMP 303S, COND AC
ST2799	STEEL, MIL-S-7720, COMP 303SE, COND A
ST1641	STEEL, MIL S-7720, COMP 303S
ST1642	STEEL, MIL-S-7720, COMP 303SE
ST7470	STEEL, MIL-S-7720, COMP 316, COND A
ST1643	STEEL, MIL-S-7720, COMP 316
STB723	STEEL, MIL-S-7720, COMP 3035, COND A
ST2005	STEEL, MIL-S-13048 - Canceled
STA398	STEEL, MIL-S-13048, FS1046 - Canceled
STA387	STEEL, MIL-S-13048, FS1050 - Canceled
ST2762	STEEL, MIL-S-15083
ST1708	STEEL, MIL-S-15083, CLASS CW
ST1707	STEEL, MIL-S-15083, COMP A70
STC002	STEEL, MIL-S-15083, GRADE A70
ST8995	STEEL, MIL-S-15083, GRADE A80

REPLY CODE	REPLY (AD09)
STB970	STEEL, MIL-S-15083, GRADE A90
STB969	STEEL, MIL-S-15083, GRADE A100
ST2209	STEEL, MIL-S-15083, GRADE B
ST2211	STEEL, MIL-S-15083, GRADE 70-36
ST2115	STEEL, MIL-S-15083, GRADE 90-60
ST1889	STEEL, MIL-S-15464, CLASS 3
ST8744	STEEL, MIL-S-16113, GRADE M
STA216	STEEL, MIL-S-16113, TYPE 1
ST2763	STEEL, MIL-S-16113, TYPE 1, GRADE M
ST2468	STEEL, MIL-S-16782 - Canceled
ST8987	STEEL, MIL-S-16788
ST1682	STEEL, MIL-S-16788, CLASS C2
STA190	STEEL, MIL-S-16974
STC003	STEEL, MIL-S-16974, FS4340
ST2507	STEEL, MIL-S-18729, COMP 4130, COND N
ST3757	STEEL, MIL-S-20166
ST3063	STEEL, MIL-S-20166, GRADE M
ST8286	STEEL, MIL-S-20166, TYPE A, GRADE M
ST2809	STEEL, MIL-S-20166, TYPE B, GRADE M
ST8377	STEEL, MIL-T-6736, COND N
STB815	STEEL, MS67, CHRYSLER CORP
STB816	STEEL, MS443, CHRYSLER CORP
STB995	STEEL, MS475, CHRYSLER CORP
STB973	STEEL, N, 45-S-1, CLASS B
STB971	STEEL, N, 49-S-1, CLASS B
STB972	STEEL, N, 49-S-1, CLASS F
ST1718	STEEL, QQ-S-624 - Canceled
STB785	STEEL, QQ-S-624, COMP E52100, COND CD - Canceled
STA103	STEEL, QQ-S-624, COMP FS3120 - Canceled
STA090	STEEL, QQ-S-624, COMP FS4150 - Canceled
STA105	STEEL, QQ-S-624, COMP FS8645 - Canceled
STA097	STEEL, QQ-S-624, COMP FS8745 - Canceled
STA098	STEEL, QQ-S-624, COMP FS8750 - Canceled
STA104	STEEL, QQ-S-624, COMP FS9445 - Canceled
ST1439	STEEL, QQ-S-624, COMP 1340 - Canceled
ST1441	STEEL, QQ-S-624, COMP 1345 - Canceled
STB988	STEEL, QQ-S-624, COMP 4140, COND CD - Canceled
STB248	STEEL, QQ-S-624, COMP 4140, COND HR - Canceled
ST1841	STEEL, QQ-S-624, COMP 4150 - Canceled
ST1478	STEEL, QQ-S-624, COMP 4615 - Canceled
ST1479	STEEL, QQ-S-624, COMP 4620 - Canceled
ST1511	STEEL, QQ-S-624, COMP 8620 - Canceled
STB989	STEEL, QQ-S-624, COMP 8620, COND HR - Canceled
ST2480	STEEL, QQ-S-624, FS1320 - Canceled
STB987	STEEL, QQ-S-624, FS1335 - Canceled
STB105	STEEL, QQ-S-624, FS1340 - Canceled
STB107	STEEL, QQ-S-624, FS3140 - Canceled
ST9155	STEEL, QQ-S-624, FS4140 - Canceled

REPLY CODE	REPLY (AD09)
STB026	STEEL, QQ-S-624, FS4145 - Canceled
STB104	STEEL, QQ-S-624, FS4150 - Canceled
STA222	STEEL, QQ-S-624, FS8620 - Canceled
STB058	STEEL, QQ-S-624, FS8620H - Canceled
STA651	STEEL, QQ-S-624, FS8630 - Canceled
STB226	STEEL, QQ-S-624, FS8630H - Canceled
STA916	STEEL, QQ-S-624, FS8650 - Canceled
STA917	STEEL, QQ-S-624, FS8750 - Canceled
STB724	STEEL, QQ-S-624, FS52100 - Canceled
ST8868	STEEL, QQ-S-626, COMP FS1345
STB980	STEEL, QQ-S-626, FS1345H
STB982	STEEL, QQ-S-626, FS4140
STB983	STEEL, QQ-S-626, FS8640
STB984	STEEL, QQ-S-626, FS8740
STB981	STEEL, QQ-S-626, FS9445
STB985	STEEL, QQ-S-630, COMP C1020 - Canceled
ST2034	STEEL, QQ-S-631 - Canceled
STB725	STEEL, QQ-S-633, B1112 - Canceled
STB726	STEEL, QQ-S-633, B1113 - Canceled
ST2512	STEEL, QQ-S-633 - Canceled
ST2533	STEEL, QQ-S-633, COMP B1113 - Canceled
ST8046	STEEL, QQ-S-633, COMP C1018 - Canceled
ST8141	STEEL, QQ-S-633, COMP C1020 - Canceled
ST8517	STEEL, QQ-S-633, COMP C1022 - Canceled
ST3136	STEEL, QQ-S-633, COMP C1045 - Canceled
ST1850	STEEL, QQ-S-633, COMP C1113 - Canceled
ST3260	STEEL, QQ-S-633, COMP C1117 - Canceled
ST3143	STEEL, QQ-S-633, COMP C1118 - Canceled
ST8525	STEEL, QQ-S-633, COMP C1141 - Canceled
ST3724	STEEL, QQ-S-633, COMP 1018 - Canceled
ST2892	STEEL, QQ-S-633, COMP 1020, COND CF - Canceled
STA264	STEEL, QQ-S-633, COMP 1045 - Canceled
ST2573	STEEL, QQ-S-633, FSB1112 - Canceled
ST2781	STEEL, QQ-S-633, FSB1113 - Canceled
ST2566	STEEL, QQ-S-633, FS1010 - Canceled
ST9711	STEEL, QQ-S-633, FS1015 - Canceled
STA710	STEEL, QQ-S-633, FS1016 - Canceled
ST2568	STEEL, QQ-S-633, FS1018 - Canceled
STB084	STEEL, QQ-S-633, FS1019 - Canceled
ST2567	STEEL, QQ-S-633, FS1020 - Canceled
ST2783	STEEL, QQ-S-633, FS1022 - Canceled
STB081	STEEL, QQ-S-633, FS1024 - Canceled
ST2570	STEEL, QQ-S-633, FS1025 - Canceled
ST9709	STEEL, QQ-S-633, FS1030 - Canceled
ST9706	STEEL, QQ-S-633, FS1035 - Canceled
ST2900	STEEL, QQ-S-633, FS1040 - Canceled
ST2795	STEEL, QQ-S-633, FS1045 - Canceled
STB274	STEEL, QQ-S-633, FS1112 - Canceled

REPLY CODE	REPLY (AD09)
ST2884	STEEL, QQ-S-633, FS1117 - Canceled
ST2789	STEEL, QQ-S-633, FS1118 - Canceled
ST2898	STEEL, QQ-S-633, FS1120 - Canceled
ST2899	STEEL, QQ-S-633, FS1137 - Canceled
ST2780	STEEL, QQ-S-633, FS1141 - Canceled
ST2908	STEEL, QQ-S-633, FS1213 - Canceled
STB727	STEEL, QQ-S-633, TYPE 1018 - Canceled
ST2408	STEEL, QQ-S-634, COMP 1008 - Canceled
ST1545	STEEL, QQ-S-634, COMP 1010 - Canceled
ST1697	STEEL, QQ-S-634, COMP 1020 - Canceled
STB262	STEEL, QQ-S-634, COMP 1030 - Canceled
ST1551	STEEL, QQ-S-634, COMP 1040 - Canceled
ST8616	STEEL, QQ-S-635, COMP FS1020
ST0942	STEEL, QQ-S-635, COMP 1020
ST0943	STEEL, QQ-S-635, COMP 1035
STB979	STEEL, QQ-S-635, FS1020
STB786	STEEL, QQ-S-635, FS1035, HR
ST0975	STEEL, QQ-S-636 - Canceled
ST2765	STEEL, QQ-S-681
ST3736	STEEL, QQ-S-681, CLASS 2
STB787	STEEL, QQ-S-681, CLASS 3
STB728	STEEL, QQ-S-681, CLASS 4
ST3737	STEEL, QQ-S-681, CLASS 4A1
STB978	STEEL, QQ-S-681, CLASS 4A2
ST3739	STEEL, QQ-S-681, CLASS 4B2
ST3740	STEEL, QQ-S-681, CLASS 4C1
ST3741	STEEL, QQ-S-681, CLASS 4C2
ST1720	STEEL, QQ-S-681, CLASS 65-35
ST2231	STEEL, QQ-S-681, CLASS 70-36
ST2232	STEEL, QQ-S-681, CLASS 80-40
ST2133	STEEL, QQ-S-681, CLASS 105-85
ST2134	STEEL, QQ-S-681, CLASS 120-95
ST2135	STEEL, QQ-S-681, CLASS 150-125
STB801	STEEL, QQ-S-681, COMP 65-35, COND A
ST8145	STEEL, QQ-S-684 - Canceled
ST3187	STEEL, QQ-S-685 - Canceled
ST0946	STEEL, QQ-S-698, COMP 1008
ST0947	STEEL, QQ-S-698, COMP 1009
ST3670	STEEL, QQ-S-698, COMP 1010
ST0948	STEEL, QQ-S-698, COMP 1015
ST0949	STEEL, QQ-S-698, COMP 1018
ST0950	STEEL, QQ-S-698, COMP 1020
ST8759	STEEL, QQ-S-698, COND CRCQ
ST8773	STEEL, QQ-S-698, TEMPER 4
STB770	STEEL, QQ-S-698, TEMPER 5
ST2766	STEEL, QQ-S-741
ST8780	STEEL, QQ-S-741, GRADE A
ST8778	STEEL, QQ-S-741, GRADE B

REPLY CODE	REPLY (AD09)
ST8779	STEEL, QQ-S-741, GRADE C
ST2032	STEEL, QQ-S-763
ST9587	STEEL, QQ-S-763, CLASS FS416, COND A
ST2650	STEEL, QQ-S-763, CLASS 6
ST3182	STEEL, QQ-S-763, CLASS 6, TYPE A
ST7610	STEEL, QQ-S-763, CLASS 7
ST7627	STEEL, QQ-S-763, CLASS 7, COND C
ST2652	STEEL, QQ-S-763, CLASS 7, TYPE A
ST8053	STEEL, QQ-S-763, CLASS 7, TYPE B
ST8811	STEEL, QQ-S-763, CLASS 10, TYPE A
ST1646	STEEL, QQ-S-763, CLASS 302
ST1778	STEEL, QQ-S-763, CLASS 303, COND A
ST3204	STEEL, QQ-S-763, CLASS 303, COND B
ST1647	STEEL, QQ-S-763, CLASS 303
ST1839	STEEL, QQ-S-763, CLASS 304, COND A
ST1783	STEEL, QQ-S-763, CLASS 304, COND B
ST1649	STEEL, QQ-S-763, CLASS 304
ST1653	STEEL, QQ-S-763, CLASS 310
ST7061	STEEL, QQ-S-763, CLASS 324
ST1785	STEEL, QQ-S-763, CLASS 410, COND A
ST1660	STEEL, QQ-S-763, CLASS 410
ST2701	STEEL, QQ-S-763, CLASS 416, COND A
ST3156	STEEL, QQ-S-763, CLASS 440C, COND A
ST1668	STEEL, QQ-S-763, CLASS 440C
ST3767	STEEL, QQ-S-764, TYPE 203EZ, COND A - Canceled
ST1767	STEEL, QQ-S-764, TYPE 303 - Canceled
ST1859	STEEL, QQ-S-764, TYPE 303, COND A - Canceled
ST2394	STEEL, QQ-S-764, TYPE 303, COND B - Canceled
ST1860	STEEL, QQ-S-764, TYPE 303SE, COND A - Canceled
ST2389	STEEL, QQ-S-764, TYPE 303SE, COND B - Canceled
ST1773	STEEL, QQ-S-764, TYPE 416 - Canceled
ST2436	STEEL, QQ-S-764, TYPE 416, COND A - Canceled
ST2545	STEEL, QQ-S-766
ST7667	STEEL, QQ-S-766, CLASS 303
ST9170	STEEL, QQ-S-766, CLASS 321, COND A
ST1763	STEEL, QQ-S-766, CLASS 410
STB788	STEEL, QQ-W-409, COMP C1033 - Canceled
STB142	STEEL, SAE X1112
ST6557	STEEL, SAE 1008
ST6559	STEEL, SAE 1010
ST6563	STEEL, SAE 1017
ST6564	STEEL, SAE 1018
ST8216	STEEL, SAE 1019
ST6015	STEEL, SAE 1020
ST6566	STEEL, SAE 1022
ST6568	STEEL, SAE 1025
ST6571	STEEL, SAE 1030
ST6572	STEEL, SAE 1033

REPLY CODE	REPLY (AD09)
ST6573	STEEL, SAE 1035
ST6017	STEEL, SAE 1040
ST6579	STEEL, SAE 1042
ST6018	STEEL, SAE 1045
ST6585	STEEL, SAE 1050
ST6605	STEEL, SAE 1112
ST6606	STEEL, SAE 1113
ST6835	STEEL, SAE 1115
ST6608	STEEL, SAE 1117
ST6609	STEEL, SAE 1118
ST6610	STEEL, SAE 1119
ST6612	STEEL, SAE 1137
ST6614	STEEL, SAE 1140
ST6615	STEEL, SAE 1141
ST6616	STEEL, SAE 1144
STA046	STEEL, SAE 1212
STA048	STEEL, SAE 1315
ST6622	STEEL, SAE 1335
ST6626	STEEL, SAE 1345
ST6024	STEEL, SAE 2315
STA053	STEEL, SAE 3115
ST6855	STEEL, SAE 3120
ST6861	STEEL, SAE 3140
STB660	STEEL, SAE 4115
ST6639	STEEL, SAE 4118
ST6641	STEEL, SAE 4130
ST6645	STEEL, SAE 4140
ST6647	STEEL, SAE 4142
ST6653	STEEL, SAE 4150
ST6659	STEEL, SAE 4340
ST6019	STEEL, SAE 4615
ST6665	STEEL, SAE 4620
ST6688	STEEL, SAE 5140
ST6709	STEEL, SAE 8620
ST6716	STEEL, SAE 8630
ST6911	STEEL, SAE 8650
ST5098	STEEL, SAE 30302
ST6845	STEEL, SAE 30303
ST6701	STEEL, SAE 52100
STAL00	STEEL, SHEET
	Steel, Stainless (use Reply Code STB000)
STB994	STEEL, 14-1-321-828, BELL AND HOWELL
STB783	STEEL, 7400-2, WESTINGHOUSE ELECTRIC ELEVATOR CO
TT0110	TITANIUM ALLOY, MIL-T-9047, COMP 3
TT0032	TITANIUM, MIL-T-9046, TYPE 3, COMP C
TT0094	TITANIUM, MIL-T-9047, COMP 6
MEG000	WHITE METAL
WDF000	WOOD, BIRCH

REPLY CODE	REPLY (AD09)
WDA000	WOOD, MAPLE
ZN0000	ZINC
ZNL000	ZINC ALLOY
ZN0116	ZINC ALLOY, QQ-Z-363, COMP A

Table 2 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
ALH000	ALUMINUM SPRAYED
AN0000	ANODIZED
ANC000	ANODIZED ALUMINUM (Alumilite)
ANA000	ANODIZED BLACK
A	ANY ACCEPTABLE
BB0000	BLACK NICKEL
BA0000	BLACK OXIDE
BL0000	BLUED
CD0000	CADMIUM
CDR000	CADMIUM PLATED
CDS000	CADMIUM W/CHROMATE
CL0000	CHEMICAL
CLA000	CHEMICAL FILM
CN0000	CHROMATE
CNA000	CHROMATE DIPPED
CNB000	CHROMATE FILM
CN0009	CHROMATE FILM, NAVORD 0015444, TYPE 5
CN0008	CHROMATE, QQ-P-416, TYPE 2, CLASS C
CHC000	CHROME PLATED
CR0000	CHROMIUM
CRA000	CHROMIUM PLATED
CUN000	COPPER PLATED
DC0000	DICHROMATE
ENE000	ENAMEL, BAKED
ENH000	ENAMEL, GRAY
ENC000	ENAMELED
GB0000	GALVANIZED
FEE000	IRON OXIDE
JA0000	JAPAN
LQC000	LACQUERED
NFAZ00	NICKEL-CHROME
NFG000	NICKEL PLATED
PNW000	PAINT, GRAY
PN0000	PAINTED
	Parkerized (use Reply Code PH0000)
PS0000	PASSIVATED
PS0003	PASSIVATED, MIL-S-5002
PS0005	PASSIVATED, QQ-P-35, TYPE 2

REPLY CODE	REPLY (AD09)
PSC000	PASSIVATED W/BLACK OXIDE
PEA000	PENETRATE BLACK
PH0000	PHOSPHATE
PHD000	PHOSPHATE DIP (Alodine)
PH0004	PHOSPHATE, MIL-P-16232, TYPE M, CLASS 2
PCP000	PLASTIC, EPOXY
VAD000	VARNISH, PHENOLIC BASE
VA0000	VARNISHED
WAG000	WAX, IMPREGNATED
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNS000	ZINC COATED
ZNN000	ZINC PLATED

Table 3 - SECURING METHODS

SECURING METHODS

REPLY CODE	REPLY (AM39)
A	ANY ACCEPTABLE
BFT	AXIALLY LOCATED SCREW
BFW	BOLTED THROUGH BORE
ABD	BUSHING
ABH	CLAMP
AEM	COMPRESSION
BFX	COTTER PIN
BFY	DRILLED HOLE
BFG	KEY
BFZ	MOUNTED BETWEEN BRACKETS
BGA	NUT
AAD	PIN
ADC	PRESS FIT
BGB	PRESS FIT BEARING
AHK	RETAINING PLATE
BGC	RETAINING RING
AAG	RIVET
AAF	SETSCREW
BGD	SLOTTED
AHL	SNAP RING
BGE	SOLDERED
ABZ	SPACER
BGF	SPLIT-TAPERED BUSHING
BGG	STAKED
AAE	STUD
BGH	TAPERED-LOCK BUSHING
AHF	THREADED HOLE
AKK	WELDED

Table 4 - BELT-CHAIN-FILM SIZE
BELT-CHAIN-FILM SIZE

REPLY CODE	REPLY (AK54)
CDL	*ROLLER CHAIN
DDS	BEAD CHAIN
DDT	BLOCK CHAIN
FWU	CABLE CHAIN
DDW	LADDER CHAIN
DDX	POSITIVE DRIVE BELT (includes timing belt)
CDN	SILENT CHAIN
DDZ	TRACK
DEA	8 MILLIMETER FILM
DEB	16 MILLIMETER FILM
DEC	35 MILLIMETER FILM
DED	70 MILLIMETER FILM

* Includes ASA Standard B29.1 number 25 and 35 designed roller type, w/o rollers

Table 5 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER

REPLY CODE	REPLY (AD08)
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET

REPLY CODE	REPLY (AD08)
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables 212
REFERENCE DRAWING GROUP B 219
REFERENCE DRAWING GROUP D 220
REFERENCE DRAWING GROUP E Tables 221
REFERENCE DRAWING GROUP E 223

REFERENCE DRAWING GROUP A Tables
FLAT AND GROOVED PULLEYS AND SPROCKET WHEELS

INDEX OF MASTER REQUIREMENT CODES

NOTES:

1. FOR INC 08109, IF U SHAPED GROOVE, DO NOT REPLY TO MRC AGJS.

WHEN MRC AGJS IS SELECTED AND THE PULLEY UTILIZES A OR B BELTS, SPECIFY TWO NOMINAL PITCH DIAMETER. (e.g., AGJSJAA5.000$$JAA5.400*)

2. FOR INC 08111, DO NOT REPLY TO MRC AGJS.

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA6.500*, ABHPJLA162.4*; ABHPJAB6.250$$JAC6.750*)

The following priority will be used to determine AA end of hub:

First	the stepped hub end
Second	the grooved hub end
Third	the longest hub end
Fourth	the largest diameter hub end
Fifth	end having external keyway
Sixth	recessed end (Style 4 only)
Seventh	longest or deepest
Eighth	largest diameter

The remaining end will be designated as BB end.

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension

MRC	Mode Code	Name of Dimension
AAVL	J	PILOT DIAMETER
ABHE	J	OUTSIDE DIAMETER
ABHP	J	OVERALL LENGTH
ABKU	J	FLANGE THICKNESS
AGJS	J	PITCH DIAMETER
AHTC	J	FLANGE OUTSIDE DIAMETER
AQPL	J	FACE WIDTH
BYZG	J	DISTANCE FROM PILOT END TO FLANGE FACE

NOTE:

1. FOR INC 04456, IF REPLY CODE AAG OR AAH IS ENTERED FOR MRC BYDZ IN SECTION I, PART C, DO NOT REPLY TO MRCS BYZD AND BYZF FOR THE STYLE ENTERED IN REPLY TO MRC STYL.

Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. For items with only one protruding hub, the protruding hub end will be considered the AA END. For items with two protruding hubs, use AND CODING ($$) entering replies to AA END first. Refer to priority listing above to determine AA END of hub. (e.g., BYZDJAABBZ3.250*; BYZDJLAAHH257.4*; BYZDJAABBZ0.380$$JAABCA0.375*; BYZDJABBBZ4.250$$JACBBZ8.500*)

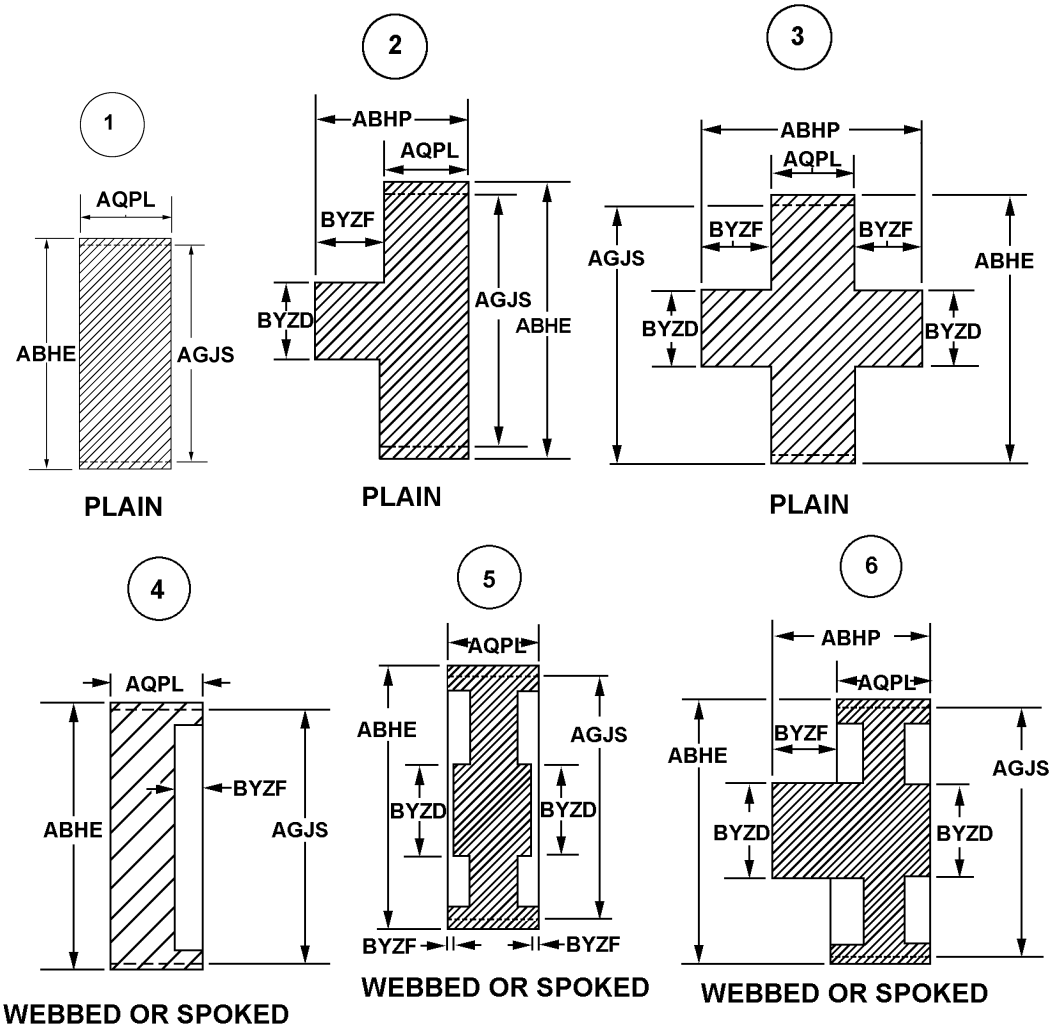
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

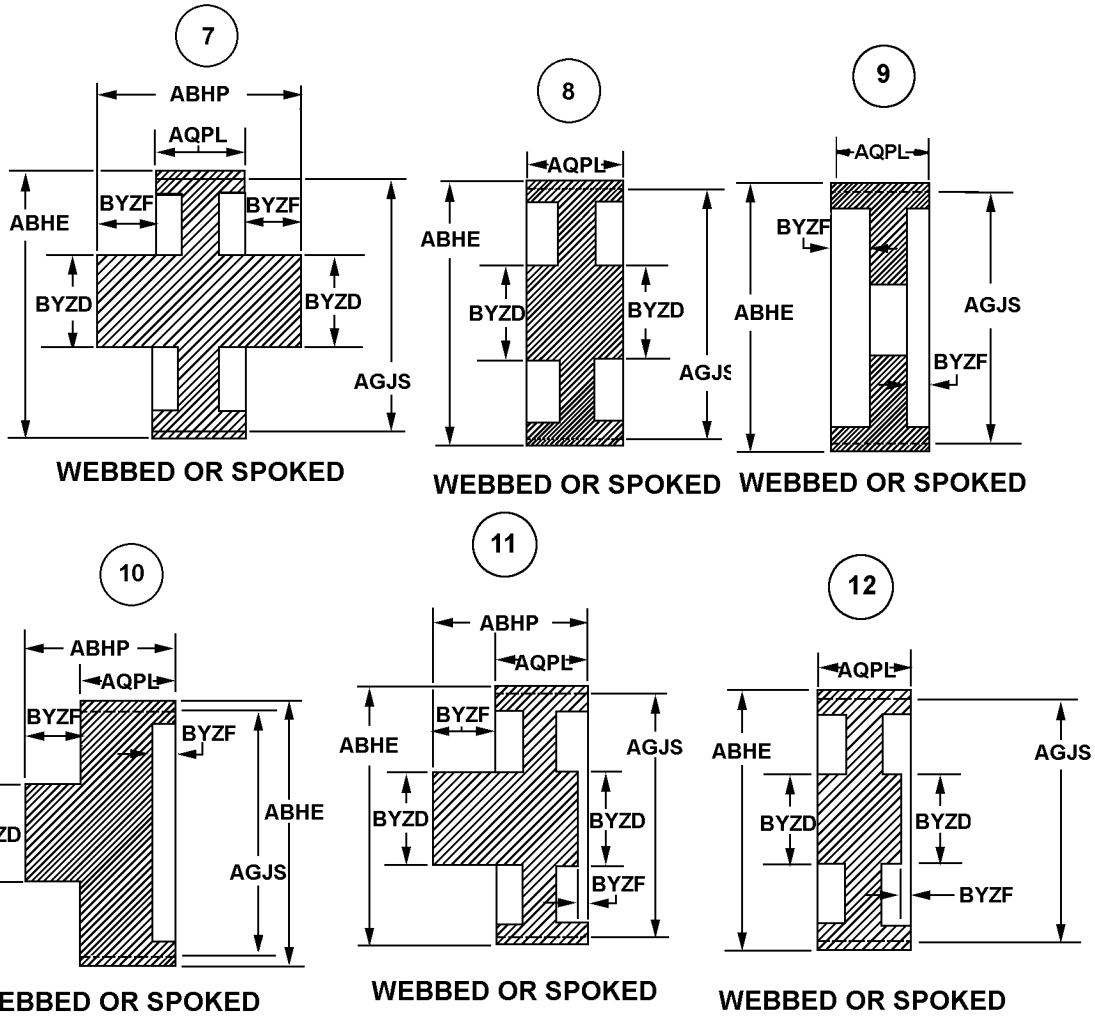
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

MRC	Mode Code	Name of Dimension
BYZD	J	HUB END OUTSIDE DIAMETER AND LOCATION
BYZF	J	DISTANCE FROM OUTSIDE FLANGE/RIM TO HUB END AND LOCATION

FLAT AND GROOVED PULLEYS AND SPROCKET WHEELS

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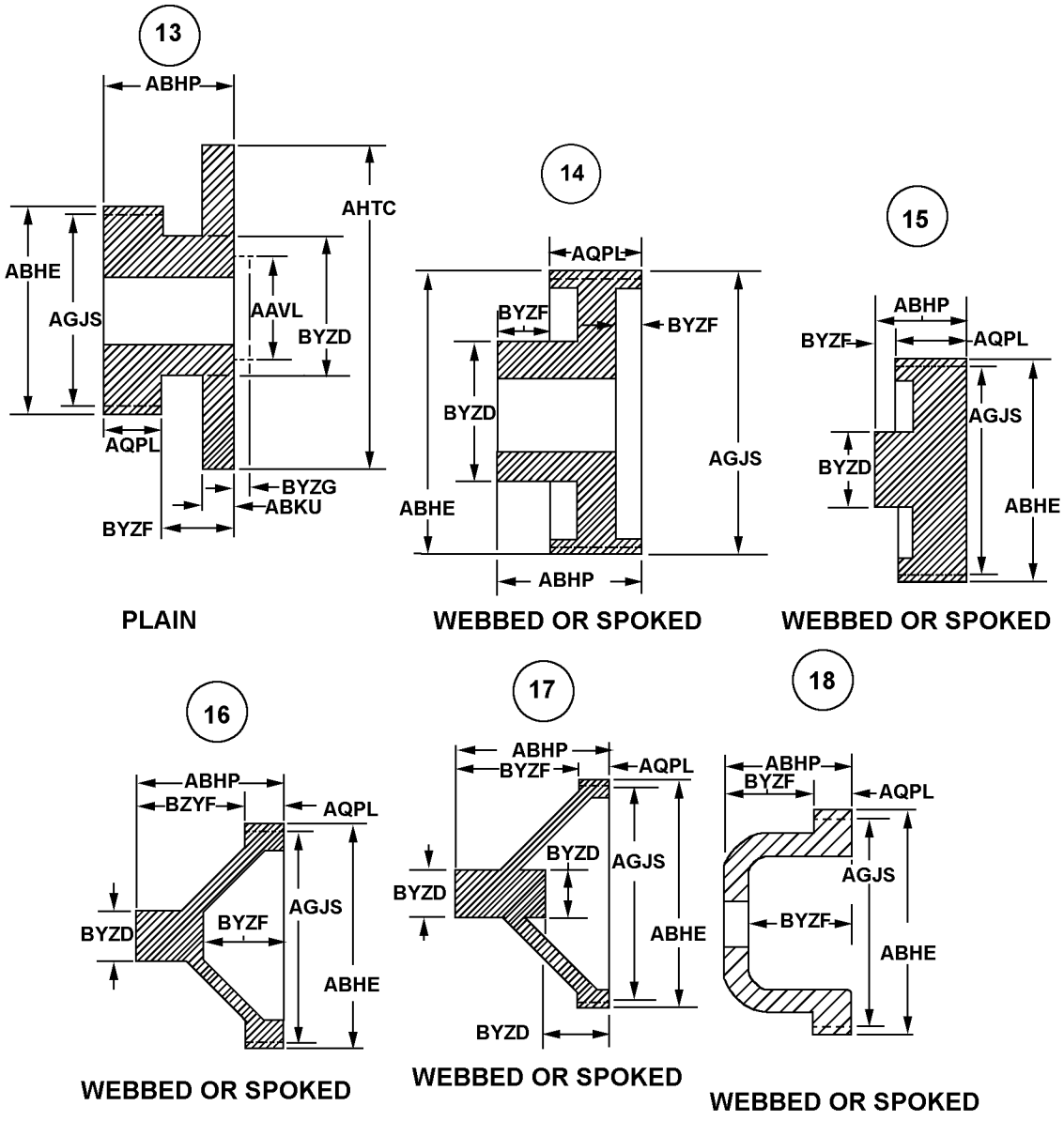
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BYZF
BYZD
AGJS
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WEBBED OR SPOKED
15
ABHP
BYZF
AQPL
AGJS
BYZD
ABHE
WEBBED OR SPOKED
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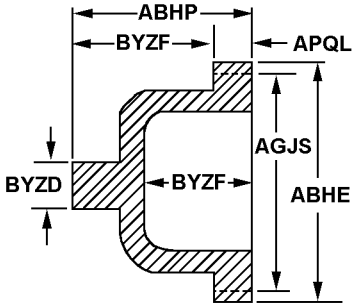

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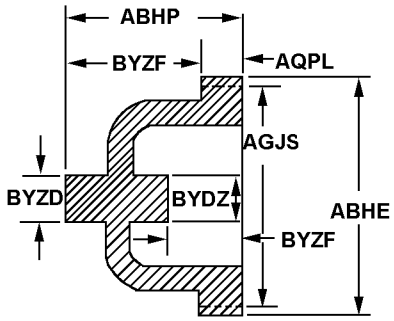
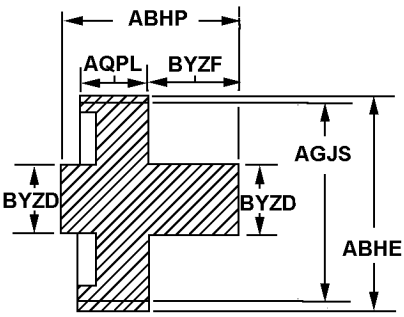


WEBBED OR SPOKED

21



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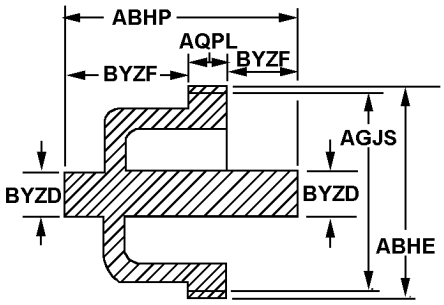
22



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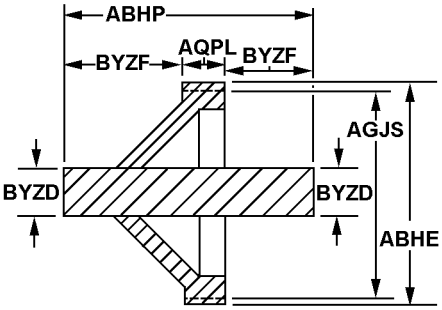
23



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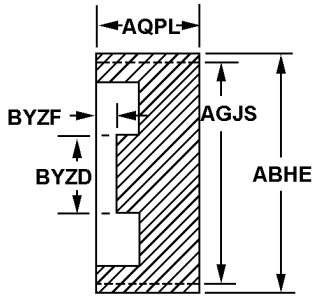
24



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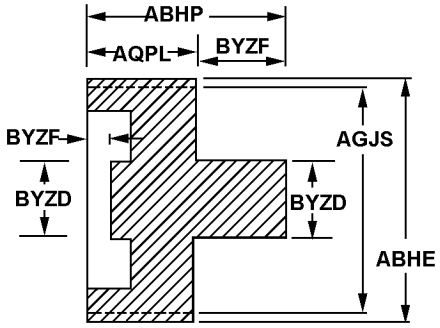
25



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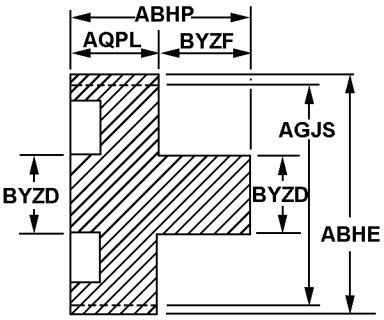
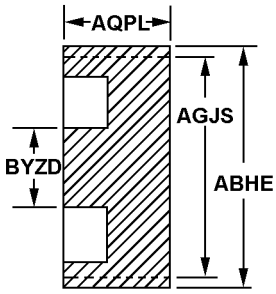


WEBBED OR SPOKED

27



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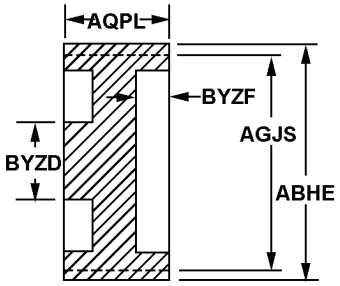
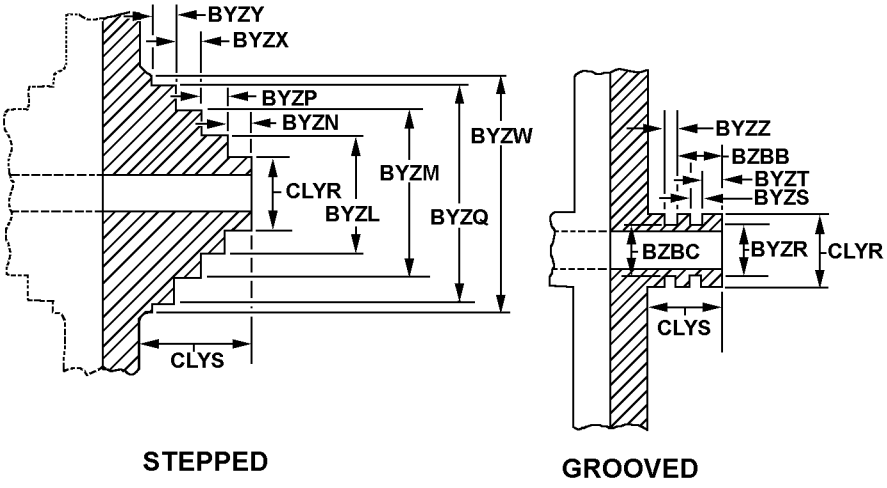
28



WEBBED OR SPOKED

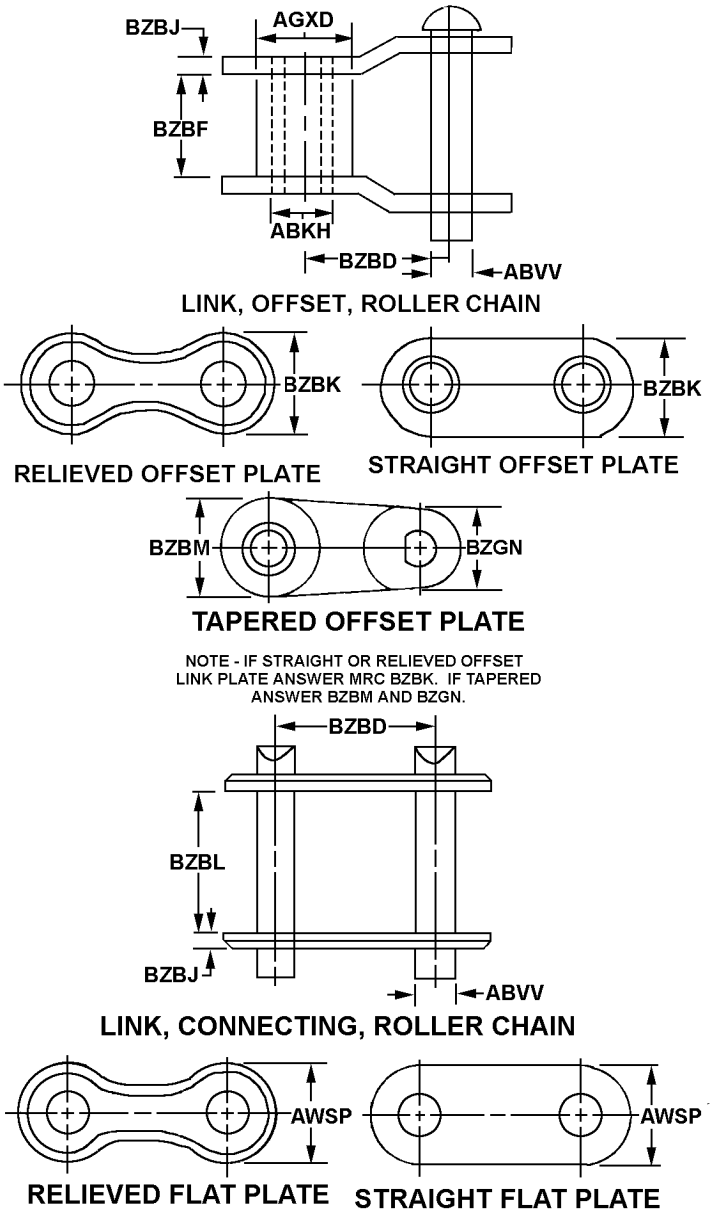
REFERENCE DRAWING GROUP B

PULLEY AND SPROCKET HUBS



REFERENCE DRAWING GROUP D

ROLLER CHAIN CONNECTING LINKS



REFERENCE DRAWING GROUP E Tables
CONE PULLEYS

INDEX TO STYLE

ITEM NAME	STYLE
PULLEY, PLAIN	1, 2, 3,13
PULLEY, WEBBED OR	4 through 12 and 14 through

Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. For items with only one protruding hub, the protruding hub end will be considered the AA END. For items with two protruding hubs, use AND Coding ($$) entering replies to AA END first. Refer to priority listing below to determine the AA END of hub. (e.g., BYZDJAABBZ3.250*; BYZDJLABBZ75.8*; BYZDJABBBZ3.250$$JACBBZ4.000*)

The following priority will be used to determine AA End of HUB:

First	the stepped hub end
Second	the grooved hub end
Third	the longest hub end
Fourth	the largest diameter hub end
Fifth	end having external keyway
Sixth	recessed end (Style 4 only)
Seventh	longest or deepest
Eighth	largest diameter

The remaining end will be designated as BB END.

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

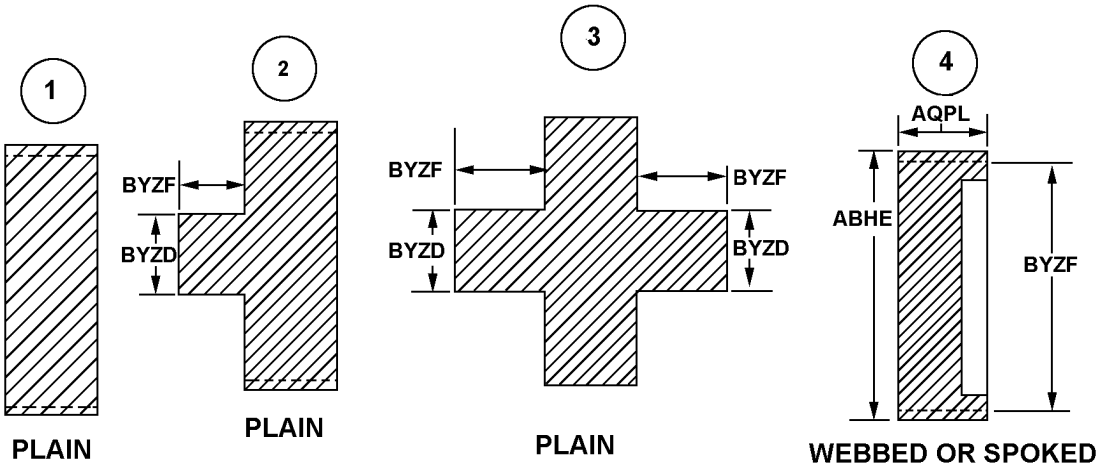
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

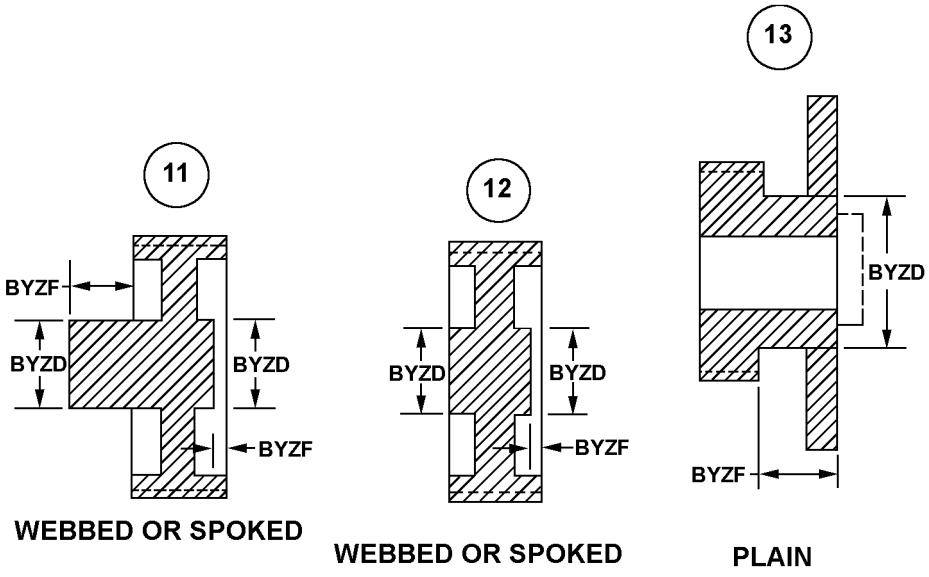
REPLY CODE	REPLY (AJ91)
BBZ	AA END
BCA	BB END
AHH	BOTH ENDS

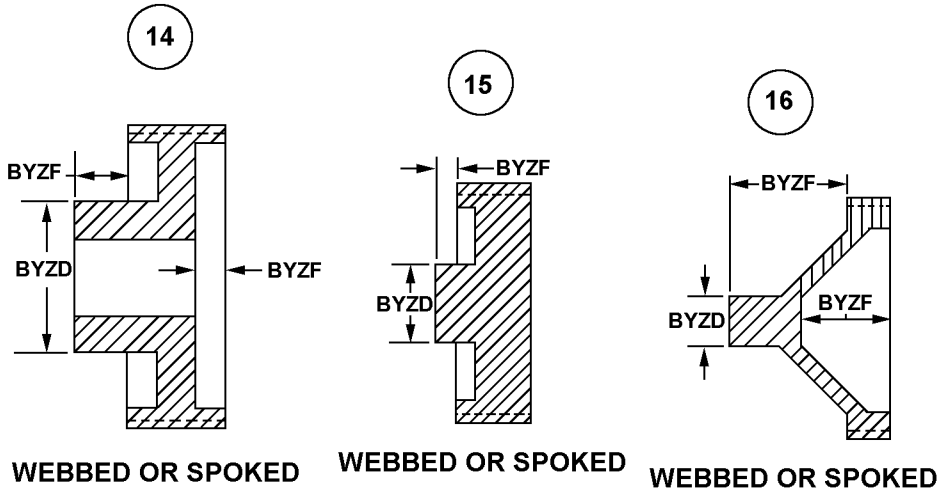
MRC	Mode Code	Name of Dimension
BYZD	J	HUB END OUTSIDE DIAMETER AND LOCATION
BYZF	J	DISTANCE FROM OUTSIDE FLANGE/RIM TO HUB END AND LOCATION

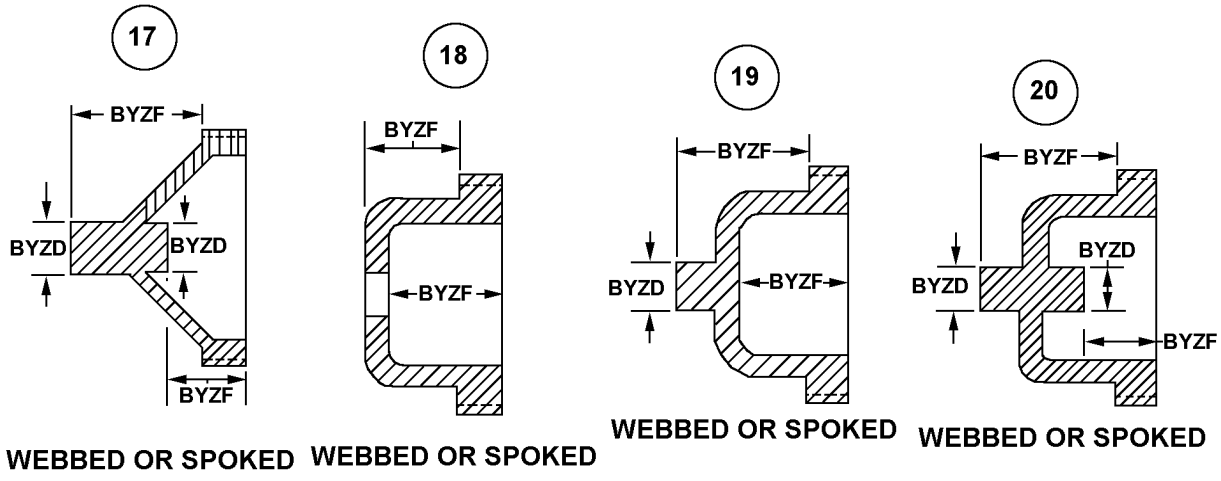
REFERENCE DRAWING GROUP E

CONE PULLEYS




11
BYZF
BYZD
BYZD
BYZF
WEBBED OR SPOKED
12
BYZD
BYZD
BYZF
WEBBED OR SPOKED
13
BYZD
BYZF
PLAIN


14
BYZF
BYZD
BYZF
WEBBED OR SPOKED
15
BYZF
BYZD
WEBBED OR SPOKED
16
BYZF
BYZD
BYZF
WEBBED OR SPOKED


17
BYZF
BYZD
BYZD
BYZF
WEBBED OR SPOKED
18
BYZF
BYZF
WEBBED OR SPOKED
19
BYZF
BYZD
BYZF
WEBBED OR SPOKED
20
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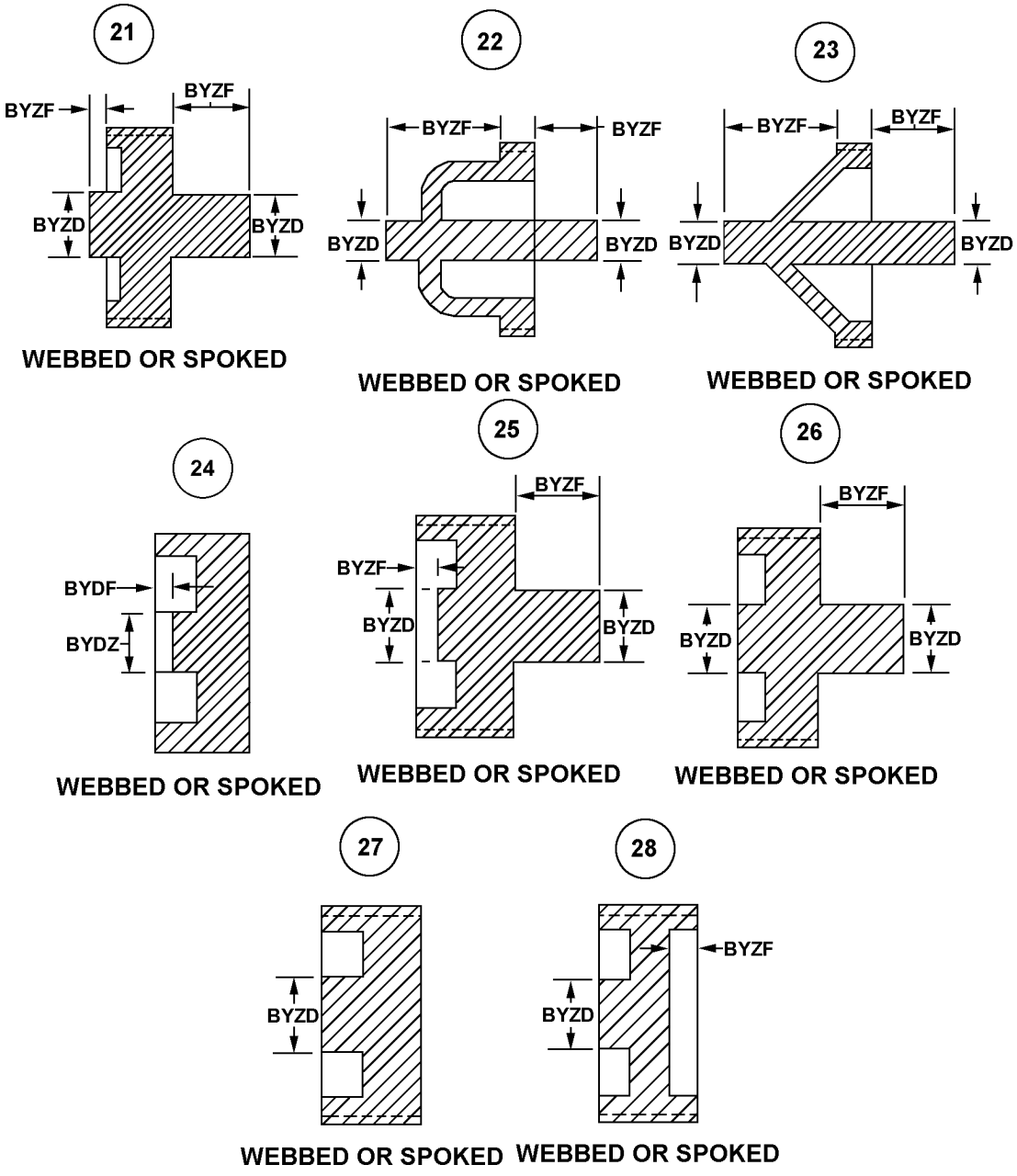
BYZD
BYZD
BYZF
WEBBED OR SPOKED


21
BYZF
BYZF
BYZD
BYZD
WEBBED OR SPOKED
22
BYZF
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BYZD
BYZD
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23
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BYZF
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BYZD
WEBBED OR SPOKED
24
BYDF
BYDZ
WEBBED OR SPOKED
25
BYZF
BYZF
BYZD
BYZD
WEBBED OR SPOKED
26
BYZF
BYZD
BYZD
WEBBED OR SPOKED
27
BYZD
WEBBED OR SPOKED
28
BYZF
BYZD
WEBBED OR SPOKED

Technical Data Tables

HUB END PRIORITY SEQUENCE..... 227
STANDARD FRACTION TO DECIMAL CONVERSION CHART..... 228

HUB END PRIORITY SEQUENCE

The following priority shall be used to determine the AA END of hub:

First	the stepped hub end
Second	the grooved hub end
Third	the longest or protrucing hub end
Fourth	the largest diameter hub end
Fifth	end having external keyway
Sixth	recessed end
Seventh	longest of deepest counterbore
Eighth	largest diameter counterbore

The remaining end shall be designated the BB END.

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective July 2, 2010

This change replaced with ISAC or and/or coding.